## Study plan

# Name of study plan: Aplikovaná algebra a analýza

Faculty/Institute/Others: Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Applied Algebra and Analysis Type of study: Bachelor full-time Required credits: 0 Elective courses credits: 180 Sum of credits in the plan: 180 Note on the plan:

Name of the block: Compulsory courses in the program Minimal number of credits of the block: 0 The role of the block: P

Code of the group: BSPAAA1 Name of the group: BS P\_AAAB 1st year Requirement credits in the group: Requirement courses in the group: In this group you have to complete at least 12 courses Credits in the group: 0 Note on the group:

Note on the g	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their members)	Completion	Credits	Scope	Semester	Role
	Tutors, <b>authors</b> and guarantors (gar.)					
01DIM1	Discrete Mathematics 1 Edita Pelantová, Zuzana Masáková, Lubomíra Dvo áková Lubomíra Dvo áková Zuzana Masáková (Gar.)	Z	2	2P+0C	Z	Ρ
01DIM2	Discrete Mathematics 2 Edita Pelantová, Zuzana Masáková Zuzana Masáková (Gar.)	Z	2	2P+0C	L	Ρ
02ELMA	Electricity and Magnetism Iskender Yalcinkaya, Goce Chadzitaskos, Josef Schmidt, Jan Vysoký Jan Vysoký Goce Chadzitaskos (Gar.)	Z,ZK	6	4+2	L	Ρ
01LAL	Linear Algebra 1 Lubomíra Dvo áková, Petr Ambrož Lubomíra Dvo áková Lubomíra Dvo áková (Gar.)	Z	2	2P+2C		Ρ
01LALZ	Linear Algebra 1, exam Lubomíra Dvo áková, Petr Ambrož Lubomíra Dvo áková Lubomíra Dvo áková (Gar.)	ZK	2	0P+0C		Ρ
01LAL2	Linear Algebra 2 Lubomíra Dvo áková, Petr Ambrož Lubomíra Dvo áková Lubomíra Dvo áková (Gar.)	Z,ZK	4	2P+2C		Ρ
01MAN	<b>Calculus 1</b> Edita Pelantová, Miroslav Kolá, Pavel Strachota <b>Pavel Strachota</b> Edita Pelantová (Gar.)	Z	4	4+4		Ρ
01MANZ	Calculus 1, exam Edita Pelantová, Miroslav Kolá, Pavel Strachota Pavel Strachota Pavel Strachota (Gar.)	ZK	4	0P+0C		Ρ
01MAN2	<b>Calculus 2</b> Edita Pelantová, Severin Pošta, Miroslav Kolá <b>Miroslav Kolá</b> Severin Pošta (Gar.)	Z,ZK	8	4P+4C		Ρ
02MECH	Mechanics Iskender Yalcinkaya, David B e Michal Jex David B e (Gar.)	Z	4	4+2	Z	Ρ
02MECHZ	<b>Mechanics - Examination</b> Iskender Yalcinkaya, Goce Chadzitaskos, David B e , Filip Petrásek, Stanislav Skoupý, Antonín Hoskovec, Petr Novotný <b>Antonín Hoskovec</b> David B e (Gar.)	ZK	2	-	Z	Ρ
00PT	Preparatory Week Petr Ambrož, Milan Krbálek Petr Ambrož Petr Ambrož (Gar.)	Z	2	týden	Z	Ρ

Characteristics of the courses of this group of Study Plan: Code=BSPAAA1 Name=BS P\_AAAB 1st year

01DIM1 Discrete Mathematics 1	Z	2
The seminar is devoted to elementary number theory and applications. It includes individual problem solving.		
01DIM2 Discrete Mathematics 2	Z	2
The seminar is devoted to recurrence relations. It includes individual problem solving.		
02ELMA Electricity and Magnetism	Z,ZK	6
Electric charge, Coulomb's law, electrostatic field, Gauss' law. Electric dipole, polarization. Conductors and dielectrics. Electric current and circuits, con	nductivity. Basics	of the relativity
theory. Electrodynamic forces, magnetic field. Magnetic dipole, magnetics. Electromagnetic induction, ac currents. Electromagnetic waves, Maxwell equ	uations	
01LAL Linear Algebra 1	Z	2
1. Vector space. 2. Linear dependence and independence. 3. Basis and dimension. 4. Subspaces of vector spaces. 5. Linear mappings. 6. Matrices of	linear mappings	. 7. Frobenius
theorem.		
01LALZ Linear Algebra 1, exam	ZK	2
01LAL2 Linear Algebra 2	Z,ZK	4
Outline: 1. Inverse matrix and operator. 2. Permutation and determinant. 3. Spectral theory (eigenvalue, eigenvector, diagonalization). 4. Hermitian and	d quadratic forms	s. 5. Scalar
product and orthogonality. 6. Metric geometry. 7. Riesz theorem and adjoint operator. Outline of the exercises: 1. Methods for calculation of inverse ma	atrices. 2. Method	ts of calculation
of determinants. 3. Calculation of eigenvalues and eigenvectors. 4. Hermitian and quadratic forms. Canonical form. 5. Scalar product and orthogonality	y. Calculation of	orthogonal
complements. 6. Geometry – exercises and examples. 7. Adjoint operators.		
01MAN Calculus 1	Z	4
Basic calculus (real analysis, functions of one real variable, differential calculus).		
01MANZ Calculus 1, exam	ZK	4
01MAN2 Calculus 2	Z,ZK	8
1. Continuation of differential calculus: Taylor's Polynomials, Taylor's formula 2. Infinite series: criteria of convergence, operations on series, absolute a	and conditional o	convergence 3.
Real and complex power series, the Cauchy-Hadamard theorem, expansion of function into power series, summation of infinite series. 4. Theory of inte	egrals: primitives	, definite integral
(Riemann definition), techniques of integration and application of integrals, Generalized Riemann integral		
02MECH Mechanics	Z	4
ntroduction to physics, physical quantities and units. Particle kinematics, basic types of motion and theirsuperposition. Particle dynamics, one-dimensional states and units.	onal equations o	f motion, motion
in central force field, forces innoninertial reference frames. Mechanics of system of free particles, two-body problem, collisions. Mechanics ofrigid body	y, rotation. Funda	amentals of
continuum mechanics, elasticity, hydrodynamics. Sound.		
02MECHZ Mechanics - Examination	ZK	2
The content of the subject is the examination according to the plan of studies.		
00PT Preparatory Week	Z	2

## Code of the group: BSPAAA2

Name of the group: BS P\_AAAB 2nd year

Requirement credits in the group:

Requirement courses in the group: In this group you have to complete at least 7 courses

## Credits in the group: 0

### 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
01ALGE	Algebra Zuzana Masáková Zuzana Masáková Zuzana Masáková (Gar.)	Z,ZK	6	4+1		Ρ
01DIFR	Differential Equations Michal Beneš Michal Beneš (Gar.)	Z,ZK	4	2P+2C	L	Ρ
01ANA3	Mathematical Analysis A 3 František Štampach, Radek Fu ík, Mat j Tušek František Štampach František Štampach (Gar.)	Z,ZK	9	4P+4C		Ρ
01ANA4	Mathematical Analysis A 4 František Štampach František Štampach (Gar.)	Z,ZK	9	4P+4C		Р
01NMA1	Numerical Mathematics 1 Tomáš Oberhuber Tomáš Oberhuber (Gar.)	ZK	4	4+0		Р
02TEF1	Theoretical Physics 1 Petr Novotný Petr Novotný Igor Jex (Gar.)	Z,ZK	4	2+2	Z	Р
02TEF2	Theoretical Physics 2 Filip Petrásek, Petr Novotný Josef Schmidt Petr Novotný (Gar.)	Z,ZK	4	2+2	L	Р

#### Characteristics of the courses of this group of Study Plan: Code=BSPAAA2 Name=BS P\_AAAB 2nd year

01ALGE	Algebra	Z,ZK	6
Firstly, the Peano axiom	s are treated in detail. Elements of the set theory cover only: equivalence and subvalence, the Cantorov-Bernstein theorem, t	he axiom of choic	e and equivalent
statements, definition o	f ordinals and cardinals. Further standard algebraic structures are addressed: semigroups, monoids, groups, rings, integral d	omains, principal	ideal domains,
fields, lattices. Independ	lent chapters are devoted to divisibility in integral domains and to finite fields.		
01DIFR	Differential Equations	Z,ZK	4
The course contains int	roduction in the solution of ordinary differential equations. It contains a survey of equation types solvable analytically, basics	of the existence the	heory, solution of
linear types of equation	s and introduction in the theory of boundary-value problems.		
01ANA3	Mathematical Analysis A 3	Z,ZK	9
Function sequences an	d series, introduction to topology and metric spaces, differential calculus of functions of several variables.		
01ANA4	Mathematical Analysis A 4	Z,ZK	9
Inverse and implicit fund	tions, constrained extrema, measure and integration theory, contour and surface integrals.		

01NMA1 N	umerical Mathematics 1				ZK	4
-	umerical methods for solving the basic problems arising from technical and research	n problems. The acce	nt is put on	1		ne root of
theoretical methods.						
	neoretical Physics 1	the Learence and He	miltonion fo		Z,ZK	4
	n to analytical mechanics. The students acquire knowledge of the basic concepts of Newton's, Lagrange, Hamilton and Hamilton-Jacobi equations). The efficiency of th					
	stem of constrained mass points, and of a rigid body. Advanced parts of the course				•	
he first part of the course o	f classical theoretical physics (02TEF1, 02TEF2).					
	neoretical Physics 2				Z,ZK	4
	s in physics. Mechanics of point mass, rigid body and continuum. The special theor sical electrodynamics: Maxwell's equations in the Minkowski space-time, electroma	-				-
Code of the grou						
Name of the grou	up: BS P_AAAB 3rd years					
Requirement cre	dits in the group:					
	urses in the group: In this group you have to com	plete at leas	t 12 co	urses		
Credits in the gro						
Note on the grou	•	ládat až no elo	jžení vě	ech zkou	išek z Mat	ematic
Note on the grou	analýzy a Lineární algebry.		20111 000			cinatio
	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their	Completion	Credits	Scope	Semester	Role
	members)					
	Tutors, authors and guarantors (gar.) Bachelor project 1			05.50		
D1BPAA1	Pavel Strachota, Václav K s Pavel Strachota Pavel Strachota (Gar.)	Z	5	0P+5C		Р
01BPAA2	Bachelor project 2 Pavel Strachota Pavel Strachota (Gar.)	Z	10	0P+10C		Ρ
01DPVB	Differential calculus on manifolds Mat j Tušek Mat j Tušek (Gar.)	ZK	2	2P+0C		Р
01FKO	Functions of Complex Variable Pavel Š oví ek Pavel Š oví ek (Gar.)	Z,ZK	3	2+1		Р
01FANA1	Functional Analysis 1 Pavel Š oví ek <b>Pavel Š oví ek</b> Pavel Š oví ek (Gar.)	Z,ZK	5	2P+2C		Р
01FAN2	Functional analysis 2 Pavel Š oví ek Pavel Š oví ek (Gar.)	Z,ZK	5	2P+2C		Р
02KM1	Quantum Mechanics 1 Martin Štefa ák Martin Štefa ák (Gar.)	Z,ZK	6	4P+2C	Z	Р
01LIP	Linear Programming Jan Volec estmír Burdík Jan Volec (Gar.)	Z,ZK	3	2+1	Z	Р
D1MAS	Mathematical Statistics Václav K s Václav K s Václav K s (Gar.)	ZK	3	2+0		Р
01MIP	Measure and Probability Václav K s, Tomáš Hobza Tomáš Hobza Václav K s (Gar.)	Z,ZK	6	4+2		Р
01RMAF	Equations of Mathematical Physics Václav Klika Václav Klika Václav Klika (Gar.)	Z,ZK	7	4P+2C		Р
01BASE	Bachelor Seminar Pavel Strachota Pavel Strachota (Gar.)	Z	1	0P+2S		Р
baractoristics of th	a courses of this group of Study Plan: Codo-RSPAAA2 Nam		ard years	-		
	e courses of this group of Study Plan: Code=BSPAAA3 Name achelor project 1	- BU F_AAAD	oru years	<b>&gt;</b>	Z	5
	ected topic under the supervision. Supervision and regular checking of the project u	Inder preparation.		I	<b>-</b>	5
D1BPAA2 Ba	achelor project 2 ected topic under the supervision. Supervision and regular checking of the project u				Z	10
	fferential calculus on manifolds				ZK	2
						_
)1DPVB Di Smooth manifold, tangent s	pace differential forms, tensors, Riemannian metrics and manifold, covariant derivat	ive, parallel transport	, orientation	of manifold	, itegration on n	nanifold a
DIDPVB Di Brooth manifold, tangent s Btokes theorem.	pace differential forms, tensors, Riemannian metrics and manifold, covariant derivat	ive, parallel transport	, orientation		, itegration on n	nanifold a

of a complex function ar	nd the Cauchy-Riemann equations, holomorphic and analytic functions, the index of a point with respect to a closed curve, Ca	auchy's integral th	eorem, Morera's
theorem, roots of a holo	norphic function, analytic continuation, isolated singularities, the maximum modulus principle, Liouville's theorem, the Cauchy	estimates, Laurer	nt series, residue
theorem.			
01FANA1	Functional Analysis 1	Z,ZK	5
01FAN2	Functional analysis 2	Z,ZK	5
The course aims to pres	sent selected fundamental results from functional analysis including basic theorems of the theory of Banach spaces, closed o	operators and the	ir spectrum,
Hilbert-Schmidt operato	rs, spectral decomposition of bounded self-adjoint operators.		
02KM1	Quantum Mechanics 1	Z,ZK	6

Abstract: The lecture describes the birth of quantum mechanics and description of one particle and more particles by elements of the Hilbert space as well as its time evolution. Besides that it includes description of observable quantities by operators in the Hilbert space and calculation of their spectra.

			1
01LIP	Linear Programming	Z,ZK	3
We study special proble	ms about constrained extremum problems for multivariable functions (the function is linear and the constraint equations are g	iven by linear equ	ations and linear
inequalities).			
01MAS	Mathematical Statistics	ZK	3
The subject is devoted	o usage of statistical methods studied in the course of Mathematical statistics. We deal with Fisher information matrix of stat	istical models, fin	ding unbiased
estimators with minima	I variance, parameter estimation by method of moments and method of maximum likelihood, derivation of critical regions for h	nypothesis testing	using the
Neyman-Pearson lemm	a and likelihood ratio, confidence intervals and non-parametric density estimation.		
01MIP	Measure and Probability	Z,ZK	6
The subject is devoted	o the introduction to Theory of probability on measure-theoretic level for discrete models, continuous distributions and genera	l distributions of ra	andom variables.
We deal with the example	ples of distributions including multi-dimensional Gaussian distribution and their properties. Further the (non)+integral characte	eristics of random	variables (E,
Var,), convergence m	odes (Lp, P, a.s., D) and variants of limit theorems are derived (LLN, CLT).		
01RMAF	Equations of Mathematical Physics	Z,ZK	7
The subject of this cour	se is solving integral equations, theory of generalized functions, classification of partial differential equations, theory of integr	al transformations	s, and solution of
partial differential equation	tions (boundary value problem for eliptic PDE, mixed boundary problem for eliptic PDE).		
01BASE	Bachelor Seminar	Z	1
In the first part of the se	minar, students familiarize themselves with the general principles of publishing and presenting scientific work and the formal r	, equirements for b	achelor's degree
projects at the faculty. T	he second part is designed as a practical training for the defense of the bachelor's degree project. The students give oral pre	sentations of the	current state of
the research results ac	nieved during the work on their projects. Each presentation is followed by a discussion on scientific matters as well as on the	possibilities of im	proving the
student's performance.			
L			

#### Name of the block: Compulsory elective courses Minimal number of credits of the block: 0 The role of the block: PV

Code of the group: BSSPOLVEDY

Name of the group: BS - Social Sciences

Requirement credits in the group:

Requirement courses in the group: In this group you have to complete at least 1 course Credits in the group: 0

#### Note on the group:

Only one of these courses is obligatory.

note en ale great	•	-	•			
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
00EKOT	Economy in Technology Jana Ková ová	Z	1	2+0		PV
00ETV	Ethics of Science and Technology Jakub Hají ek Jana Ková ová	Z	1	0+2	L	PV
00RET	Rhetoric Jana Ková ová Jana Ková ová	Z	1	0+2		PV
00UPRA	Introduction to Law Martin ech Jana Ková ová	Z	1	0+2		PV
00UPSY	Introduction to Psychology Jakub Hají ek Jana Ková ová	Z	1	0+2		PV

#### Characteristics of the courses of this group of Study Plan: Code=BSSPOLVEDY Name=BS - Social Sciences

00EKOT	Economy in Technology	Z	1			
The course introduces	he course introduces the basics of micro- and macroeconomics.					
00ETV	Ethics of Science and Technology	Z	1			
00RET	Rhetoric	Z	1			
The course is focused of	on the acquisition of speech and voice techniques and on the rules of correct pronounciation. The course is also devoted to the	ne composition of	public speech			
as well as to its nonvert	pal aspects. Stylistics exercises, strategies for coping with stage-fright and a short excursion into the history of rhetoric are an	integral part of th	ne course.			
00UPRA	Introduction to Law	Z	1			
00UPSY	Introduction to Psychology	Z	1			

Code of the group: BSPJAZYKYZK

Name of the group: BS P languages

Requirement credits in the group:

Requirement courses in the group: In this group you have to complete at least 2 courses Credits in the group: 0

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)	Completion	Credits	Scope	Semester	Role
04XAMZK	Tutors, authors and guarantors (gar.)         English for Intermediate Students Examination         Michael Banaă	ZK	4		Z	PV
04XAPZK	Michal Beneš English for Advanced Students Examination Michal Beneš	ZK	4		Z	PV
04XCESZZK	<b>Czech for Foreigners – Beginners - Examination</b> Jana Ková ová, Slav na Brownová	ZK	4		Z	PV
04XCESMZK	Czech for Intermediate Students Examination Jana Ková ová Jana Ková ová Jana Ková ová (Gar.)	ZK	4		Z	PV
04XCESPZK	Czech for Foreign Students - Advanced Examination Jana Ková ová Michal Beneš Jana Ková ová (Gar.)	ZK	4		Z	PV
04XFMZK	French for Intermediate Students Examination Michal Beneš	ZK	4		Z	PV
04XFPZK	French for Advanced Students Examination Michal Beneš	ZK	4		Z	PV
04XFZZK	French for Beginners Examination V ra Šlechtová	ZK	3		L	PV
04XNMZK	German for Intermediate Students Examination Michal Beneš	ZK	4		Z	PV
04XNPZK	German for Advanced Students Examination Michal Beneš	ZK	4		Z	PV
04XRMZK	Russian for Intermediate Students Examination Michal Beneš	ZK	4		Z	PV
04XRPZK	Russian for Advanced Students Examination Michal Beneš	ZK	4		Z	PV
04XRZZK	Russian for Beginners Examination V ra Šlechtová	ZK	3		L	PV
04XSMZK	Spanish for Intermediate Students Examination Michal Beneš	ZK	4		Z	PV
04XSPZK	Spanish for Advanced Students Examination Michal Beneš	ZK	4		Z	PV
04XSZZK	Spanish for Beginners Examination V ra Šlechtová	ZK	3		L	PV
04XAMZK En	e courses of this group of Study Plan: Code=BSPJAZYKYZK N glish for Intermediate Students Examination amination as given by the study plan. The examination covers the AM1, AM2, and AM				ZK	4 and oral
04XAPZK En The course content is the ex	expected to master the AM syllabus and demonstrate the ability to apply their knowled glish for Advanced Students Examination amination as given by the study plan. The student is supposed to demonstrate masteri examination consists of 2 parts - written (110 min) and oral (30 min) and includes also and the study plan.	ing the AP3 syllabu	us and the a	bility to appl		
The course content is the ex	ech for Foreigners – Beginners - Examination amination as given by the study plan. The examination consisting of a written and ora ul completion of all three courses. Detailed information is to be obtained from the teac		e topics of t	he 04XCES	ZK   Z1,2,3 courses	4 and can
The course content is the ex	ech for Intermediate Students Examination amination as given by the study plan. The examination consisting of a written and ora mpletion of the 3 courses. Detailed information is to be obtained from the teacher.	al part covers all th	e topics of t	1	ZK 2,3 courses an	4 d can only
The course content is the ex	ech for Foreign Students - Advanced Examination amination as given by the study plan. The examination consisting of a written and ora mpletion of the 3 courses. Detailed information is to be obtained from the teacher.	al part covers all th	e topics of t		ZK 2,3 courses and	4 d can only
The content is the examinati	on as given by the study programme. The whole French programme is ended with an I part and is organized according to Examination Instructions, a document available o		ring the con	1	ZK 1-FM3. The exa	4 amination
04XFPZK Free French program i	ench for Advanced Students Examination s ended with an examination covering the contents of FP1-FP3. The examination con- document available on the web. Assessment of the presentation is included into the ex	nsists of a written a		1	ZK sorganized ac	4 cording to
04XFZZK Fre	ench for Beginners Examination		-		ZK	3
Instruction for examination. I	on as given by the study plan. The course is terminated with an examination consistin ts content covers the levels FZ1 - FZ5.	ig of oral and writt	en part. The			
The course content is the ex-	rman for Intermediate Students Examination amination as given by the study plan. The whole German for Intermediate Students Co urses NM1 - NM3. The oral part follows after passing the written part successfully and	-	-	ination con		
is to be obtained from the terest of teres	acher. Irman for Advanced Students Examination				ZK	4
The course content is the ex	amination as given by the study plan. The whole German for Advanced Students Cou		-	nation cons	sting of two pa	irts - written
	UISES INF LE INFO, THE UIALUATI DOUDWS AREL DASSING THE WITTER DATA STREES THIN ANT		uni			
1	urses NP1 - NP3. The oral part follows after passing the written part successfully and from the teacher. ssian for Intermediate Students Examination			1	ZK	4

04XRPZK	Russian for Advanced Students Examination	ZK	4			
The course content is t	The course content is the examination as given by the study plan. The course is completed by taking a written and oral examination testing the knowledge and skills acquired in RP1					
- RP3. Students are eliç	- RP3. Students are eligible for the oral examination only after a prior pass in RP3 and a successful written examination. Students are given instructions by the teacher.					
04XRZZK	Russian for Beginners Examination	ZK	3			
The course content is t	he examination as given by the study plan. The course is completed by taking a written and oral examination testing the know	vledge and skills a	cquired in RZ1			
- RZ5. Students are elig	gible for the oral examination only after a prior pass in RZ5 and a successful written examination. Students are given instruction	ons by the teache	r.			
04XSMZK	Spanish for Intermediate Students Examination	ZK	4			
The course content is th	e examination as given by the study plan. SMZK examination consists of two parts - written and oral; to be eligible for the writte	n part, students w	ill have obtained			
non-graded assessmer	t for course SM3.Oral examination follows the written part.					
04XSPZK	Spanish for Advanced Students Examination	ZK	4			
The course content is the	e examination as given by the study plan. Examination SPZK consists of two parts, namely oral and written. The prerequisite	for admission to o	ral part is having			
passed the written test.	Examination content is based on syllabi of courses SP1, SP2, and SP3 or on an individual study plan of the student.					
04XSZZK	Spanish for Beginners Examination	ZK	3			
The course content is t	The course content is the examination as given by the study plan. Examination consists of two parts - written and oral. Student can register for oral examination only if he/she has					
passed the written exar	nination test.					
<b>-</b>						

Name of the block: Elective courses Minimal number of credits of the block: 0 The role of the block: V

Code of the group: BSPAAAV Name of the group: BS P\_AAAB Optional courses Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group:

Note on the g						
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members)	Completion	Credits	Scope	Semester	Role
	Tutors, <b>authors</b> and guarantors (gar.)					
02DEF1	History of Physics 1 Igor Jex, Miroslav Myška Miroslav Myška Igor Jex (Gar.)	Z	2	2+0	Z	V
02DRG	Differential Equations, Symmetries and Groups Libor Šnobl Martin Štefa ák Libor Šnobl (Gar.)	Z	4	2+2	Z	V
01DIMA3	Discrete Mathematics 3 Lubomíra Dvo áková Lubomíra Dvo áková Lubomíra Dvo áková (Gar.)	ZK	2	2P+0C		V
01GTDR	Geometric Theory of Ordinary Differential Equations Michal Beneš Michal Beneš Michal Beneš (Gar.)	Z	2	0+2	Z	V
01JEPR	Simple Compilers Zden k ulík Zden k ulík Zden k ulík (Gar.)	Z	2	2	L	V
04AKS	English Conversation Jana Ková ová Jana Ková ová (Gar.)	Z	1	0+2	L	V
01MAPR	Markov processes Jan Vybíral Jan Vybíral Jan Vybíral (Gar.)	Z,ZK	4	2+2		V
01MASC	Mathematical Statistics - Seminar Tomáš Hobza Tomáš Hobza Tomáš Hobza (Gar.)	Z	2	0+2		V
00MAM1	Essentials of High School Course 1 David Be Martin Stefa ák	Z	1	0+1		V
00MAM2	Essentials of High School Math Course 2 Lukáš Heriban Severin Pošta Lukáš Heriban (Gar.)	Z	1	0+1		V
01PGR1	Computer Graphics 1 Pavel Strachota Pavel Strachota Pavel Strachota (Gar.)	Z,ZK	2	1P+1C		V
01PGR2	Computer Graphics 2 Pavel Strachota Pavel Strachota Pavel Strachota (Gar.)	Z,ZK	2	1P+1C		V
01PSR	Principles of Statistical Decision Making Václav K s Václav K s Václav K s (Gar.)	ZK	2	2+0	L	V
18PROP	Practical training in programming Jakub Klinkovský Jakub Klinkovský Jakub Klinkovský (Gar.)	KZ	3	2C	Z	V
01PW	Windows Programming Zden k ulík Zden k ulík Zden k ulík (Gar.)	Z	2	2+0	Z	V
18PRC1	Programming in C++ 1 Miroslav Virius, Vladimír Jarý Miroslav Virius Miroslav Virius (Gar.)	Z	4	2+2	Z	V
18PRC2	Programming in C++ 2 Jakub Klinkovský, Miroslav Virius, Vladimír Jarý Miroslav Virius Miroslav Virius (Gar.)	KZ	4	2+2	L	V
18PMTL	Programming in MATLAB Quang Van Tran, Jaromír Kukal Quang Van Tran Jaromír Kukal (Gar.)	KZ	4	4C	Z	V
01PSL	LaTeX - Publication Instrument Petr Ambrož Petr Ambrož (Gar.)	Z	2	0+2	L	V

01SAM	Seminar of Applied Mathematics Václav Klika Václav Klika Václav Klika (Gar.)	Z	2	0P+2S		V
02SMF	Seminar of Mathematical Physics Martin Štefa ák Ladislav Hlavatý (Gar.)	Z	2	0+2	Z	V
01SSM1	Seminar of Contemporary Mathematics 1 Mat j Tušek Edita Pelantová (Gar.)	Z	2	0+2	Z	V
01SOS1	Software Seminar 1 Zden k ulik Zden k ulik Zden k ulik (Gar.)	Z	2	0+2	Z	V
01SOS2	Software Seminar 2 Zden k ulik Zden k ulik Zden k ulik (Gar.)	Z	2	0+2	L	V
TV-1	Physical Education	Z	1		Z	V
TV-2	Physical Education	Z	1		L	v
TV-3	Physical education	Z	1	0+2	Z	v
TV-4		Z		-		
1 V-4	Physical education	Z	1	0+2	L	V
01TKO	Theory of Codes Edita Pelantová, Jan Volec Edita Pelantová Jan Volec (Gar.)	ZK	2	2P+0C	L	V
01TOP	Topology estmír Burdík estmír Burdík estmír Burdík (Gar.)	ZK	2	2+0	Z	V
14TED	Creating Electronic Documents Aleš Materna Aleš Materna Aleš Materna (Gar.)	Z	2	26C		V
02UKP1	Introduction to Curves and Surfaces Ladislav Hlavatý Martin Štefa ák Ladislav Hlavatý (Gar.)	Z	2	1P+1C	L	V
02UKP2	Introduction to Curves and Surfaces 2 Ladislav Hlavatý Martin Štefa ák Ladislav Hlavatý (Gar.)	Z	2	1P+1C	Z	V
12UNXAP	Introduction to UNIX Milan Kucha ík Milan Kucha ík (Gar.)	Z	2	1P+1C	L	V
18ZALG	Basics of Algorithmization Miroslav Virius, Vladimír Jarý, Petr Pauš, František Vold ich, František Gašpar, Zuzana Pet í ková Vladimír Jarý Miroslav Virius (Gar.)	Z,ZK	4	2+2	L	v
01ZAOS	Introduction to Operating Systems Zden k ulik Zden k ulik Zden k ulik (Gar.)	Z,ZK	2	2+0	L	V
18ZPRO	Basics of Programming Maksym Dreval, Jakub Klinkovský, Miroslav Virius, Vladimír Jarý, Petr Pauš, František Vold ich, Zuzana Pet í ková, Jan Tomsa <b>Miroslav Virius</b> Miroslav Virius (Gar.)	Z	4	4C	Z	v
Characteristics of th	e courses of this group of Study Plan: Code=BSPAAAV Name=E	BSP AAAB	Optiona	l courses		
1	istory of Physics 1		•		Z	2
Physics and its place in the	e system of sciences. The relationship of man and nature. Natural sciences in ancient Or	ientand Greece,	Greek nat	ural philosophe	ers, Aristotle	. Physics in
	d. Arabic science, European science in Middle Ages. Renaissance - da Vinci, Giordano E	Bruno. Copernicu	is, Kepler, (	Galileo, Huyge	ns. The birth	of physics
as experimental science. N						
	ifferential Equations, Symmetries and Groups				Z	4
	is to teach students computation of symmetries of the differential equations.				71/	0
	iscrete Mathematics 3 ems and methods of their solving from various parts of discrete mathematics. The semin	or includos indi	idual probl	1	ZK	2
given literature.	ents and meanous of their solving norn various parts of discrete mathematics. The semin			en sowing of (		
-	eometric Theory of Ordinary Differential Equations				Z	2
	e qualitative theory of ODEs dealing with the geometric and topological properties of the s	solution. In this co	ontext, we r			
	eness, continuous dependence on parameters and initial conditions. Main part is devoted				,	
	imple Compilers		, .		Z	2
	s, code generation, simple optimizations, development environments, reflection.			I	I	-
	nglish Conversation			1	7	4

04AKS	English Conversation	Z	1
The course will develop	the student's communication skills acquired throughout their previous studies. It aims to improve all aspects of oral commun	ication. The stude	nt will develop
their vocabulary for vari	ous communication situations and will master their communication strategy. They will also practise their listening skills in orde	er to better follow	and participate
in discussions. The stud	lent will be trained to express their ideas clearly and according to current English usage, and become a more confident spea	ker.	
01MAPR	Markov processes	Z,ZK	4
01MASC	Mathematical Statistics - Seminar	Z	2
The subject is devoted t	o practical use of statistical methods studied in the course Mathematical Statistics 01MAS. The tutorial deals with calculation	of Fisher information	ation matrix of
statistical models, findin	g unbiased estimators with minimal variance, parameter estimation by method of moments and method of maximum likelihoo	od, derivation of c	ritical regions for
hypothesis testing using	the Neyman-Pearson lemma and likelihood ratio, calculation of confidence intervals and non-parametric density estimation.		
00MAM1	Essentials of High School Course 1	Z	1
00MAM2	Essentials of High School Math Course 2	Z	1
Review of basics of high	n school mathematics.		
01PGR1	Computer Graphics 1	Z,ZK	2
The first part of the two-	semester "Computer Graphics" course is devoted to the specifics of digital display devices spanning from history up to the sta	te of the art techn	ologies. Further,
a survey of fundamental	problems in 2D computer graphics is given together with their solutions. Focus is put on mathematical description of problems an	d explanation of th	ne corresponding

a survey of fundamental problems in 2D computer graphics is given together with their solutions. Focus is put on mathematical description of problems and explanation of the corresponding algorithms using knowledge previously obtained in a variety of subjects available at FNSPE. The final part of the course covers the applications of computer graphics approaches in the process of authoring scientific documents and presentations.

01PGR2	Computer Graphics 2	Z,ZK	2
	two-semester "Computer Graphics" course begins with a brief introduction to signal theory in the context of aliasing - a phene		s in computer
graphics. Further, a well	structured survey of fundamental problems in 3D computer graphics is given together with their solutions, from the description	on of a 3D scene	to its realistic
	on mathematical description of problems and explanation of the corresponding algorithms using knowledge previously obtained	-	-
-	n implementation aspect such as data structures design etc. is also a matter of concern. In the last lecture, a number of theorem	retical concepts ar	e demonstrated
	source 3D modeling and rendering software instrument.	71/	
01PSR	Principles of Statistical Decision Making	ZK	2
=	o the statistical techniques for general decision procedures based on optimization of suitable stochastic criterion, their mutual	comparisons with	respect to their
properties and applicab		KZ	3
18PROP	Practical training in programming is to understand advanced topics related to programming, code design and software project development. Students will prac	I I	-
-	eal-world examples. Emphasis is put on the review of freely available software tools that can improve the programmer's work		-
of the final source code			alo ingli quanty
01PW	Windows Programming	Z	2
	ms for MS Windows. Basic editing controls. File input and output. User defined components, dynamic type identification and		-
18PRC1	Programming in C++ 1	Z	4
This course covers main	ly the C programming language and non-object oriented features of the C++ language.	I I	
18PRC2	Programming in C++ 2	KZ	4
	object oriented programming and othesr advanced constructs in the C+;+ programming language and the Standard Template	Library.	
18PMTL	Programming in MATLAB	KZ	4
Introducing Matlab envi	ronment as efficient tool for computation in complex arrays and symbolic variables, namely for linear algebra, mathematic an	alysis, statistics, a	Igorithmization
and geometric represen	tation of results.		
01PSL	LaTeX - Publication Instrument	Z	2
	o the basics and facilities of computer typography, particularly to the system LaTeX		
01SAM	Seminar of Applied Mathematics	Z	2
	oustic emission. 2. Machine learning. 3. Traffic flow dynamics. Dynamics of crowd movement. 4. Digital image processing. 5. I	Dynamic pricing. 6	. Statistical
	s, sociology and psychology. 7. Application of random matrix theory.	1	
02SMF	Seminar of Mathematical Physics	Z	2
	inar is to iluminate mathematical physics by virtue of solved examples. It is supposed that the teachers of the physics depart	ment will present	simple tasks
-	ic activities that could become the topics of the student?s bachelor theses in the next year	- 1	
01SSM1	Seminar of Contemporary Mathematics 1	Z	2
	different approach to those fields of mathematics that are included in curriculum but also to those that are not part of basic		
01SOS1	Software Seminar 1	Z	2
	mbly language programming for microprocessors Intel 80x86	7	2
01SOS2	Software Seminar 2 + and Qt. Development of graphical user interface using C and C++ programming languages. Portable applications for Unix I	- 1	_
	bility to Microsoft Windows.	ike operating syste	erns, especially
TV-1	Physical Education	Z	1
TV-2	Physical Education Physical Education	Z	1
TV-3	•	Z	1
	Physical education		-
TV-4	Physical education	Z	1
01TKO	Theory of Codes	ZK	2
-	I in error detecting and error correcting codes.	71/	0
01TOP	Topology	ZK	2
	e systematization and deepening the knowledge of general topology.	7	2
14TED Basic skills for creating	Creating Electronic Documents and presenting student theses. Individual exercises focus on creating and formatting texts, equations, charts, tables, present	Z diana and antira d	
office suite.	and presenting student theses. Individual exercises locus on creating and formatting texts, equations, thans, tables, present		
02UKP1	Introduction to Curves and Surfaces	Z	2
	s an introduction to the differential geometry of simple manifolds - curves and two-dimensional surfaces. The basic concepts		
-	plained. In the surface theory we introduce first and second fundamental forms and mean and Gaussian curvature. Essential p		
calculated by students.			
02UKP2	Introduction to Curves and Surfaces 2	Z	2
	course 02UKP1. The properties of the first fundamental form are briefly summarized. The concept of the second fundamental	al form is introduce	ed, leading to
the mean and Gaussiar	curvature. Finally, the usual concepts of Riemann geometry are introduced.		
12UNXAP	Introduction to UNIX	Z	2
Computer and operating	systems. Personal computer, workstation and supercomputers. Processor, memory, bus, devices, hard disk, network interfa	ce. Hardware and	software.
	systems. Operating system UNIX. Basic principles, kernel, kernel services. Documentation. File system, file atributes, working		
	shell) bash and its programming (scripts). Controlling processes, process status, computer load a process priorities. Standard	-	
	etworks. Local computer networks. Global computer networks. Addresses and protocols TCP/IP. Network configutation of a c	computer. Network	services:
-	scp, etc. Network applications	7 71/	4
18ZALG	Basics of Algorithmization	Z,ZK	4
	o selected algorithms and methods for algorithm design. This course intruduces selected methods for the determination of the lateraduction to Operating Systems.		-
01ZAOS Introduction to structure	Introduction to Operating Systems of operating systems. Processes, thread, memory management. Synchronization of multi-threaded applications. Memory ma	Z,ZK   apped files.	2
18ZPRO	Basics of Programming	Z	4
	mainly for students with little or no experience in programming. It familiarizes the students with the basic concepts in program	I	
programming language.			

## Name of the group: BS P jazyky zap Requirement credits in the group: Requirement courses in the group: Credits in the group: 0

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
04XAM1	English for Intermediate Students M1	Z	2	0+2	Z	V
04XAM2	English for Intermediate Students M2 V ra Šlechtová	Z	2	0+2	L	V
04XAM3	English for Intermediate Students M3 V ra Šlechtová	Z	2	0+2	Z	V
04XAP1	English for Advanced Students P1 V ra Šlechtová	Z	2	0+2	Z	V
04XAP2	English for Advanced Students P2 V ra Šlechtová	Z	2	0+2	L	V
04XAP3	English for Advanced Students P3 V ra Šlechtová	Z	2	0+2	Z	V
04XCESZ1	Czech for Foreigners - Beginners 1 Jana Ková ová Jana Ková ová (Gar.)	Z	2	0+2	Z	V
04XCESZ2	Czech for Foreigners - Beginners 2 Jana Ková ová Jana Ková ová (Gar.)	Z	2	0+2	L	V
04XCESZ3	Czech for Foreigners - Beginners 3 Jana Ková ová (Gar.)	Z	2	2S	Z	V
04XCESM1	Czech for Foreigners - Intermediate 1	Z	2	0+2	Z	V
04XCESM2	Czech for Foreigners - Intermediate 2 Jana Ková ová Jana Ková ová (Gar.)	Z	2	0+2	L	V
04XCESM3	Czech for Foreigners - Intermediate 3 V ra Šlechtová Jana Ková ová (Gar.)	Z	2	0+2	Z	V
04XCESP1	Czech for Foreign Students - Advanced 1 Jana Ková ová Jana Ková ová (Gar.)	Z	2	0+2	Z	V
04XCESP2	Czech for Foreigners - Advanced 2 Jana Ková ová Jana Ková ová (Gar.)	Z	2	0+2	L	V
04XCESP3	Czech for Foreigners - Advanced 3 V ra Šlechtová Jana Ková ová (Gar.)	Z	2	0+2	Z	V
04XFM1	French for Intermediate Students M1 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+2	Z	V
04XFM2	French for Intermediate Students M2 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+2	L	V
04XFM3	French for Intermediate Students M3	Z	2	0+2	Z	V
04XFP1	French for Advanced Students P1 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+2	Z	V
04XFP2	French for Advanced Students P2 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+2	L	V
04XFP3	French for Advanded Students P3 V ra Šlechtová	Z	2	0+2	Z	V
04XFZ1	French for Beginners Z1 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+4	L	V
04XFZ2	French for Beginners Z2 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+4	Z	V
04XFZ3	French for Beginners Z3 V ra Šlechtová V ra Šlechtová (Gar.)	Z	2	0+4	L	V
04XFZ4	French for Beginners Z4 V ra Šlechtová	Z	2	0+4	Z	V
04XFZ5	French for Beginners Z5 V ra Šlechtová	Z	2	0+4	L	V
04XNM2	German for Intermediate Students M2 Miloslava echová Miloslava echová (Gar.)	Z	2	0+2	L	V
04XNM1	German for Intermediate Students M1 V ra Šlechtová Miloslava echová (Gar.)	Z	2	0+2	Z	V
04XNM3	German for Intermediate Students M3 V ra Šlechtová	Z	2	0+2	Z	V
04XNP1	German for Advanced Students P1 V ra Šlechtová Miloslava echová (Gar.)	Z	2	0+2	Z	V
04XNP2	German for Advanced Students P2 Miloslava echová Miloslava echová (Gar.)	Z	2	0+2	L	V
04XNP3	German for Advanced Students P3 V ra Šlechtová	Z	2	0+2	Z	V
04XRM1	Russian for Intermediate Students M1 V ra Šlechtová Zhanna Isaeva (Gar.)	Z	2	0+2	Z	V

04XRM2	Russian for Intermediate Students M2 Zhanna Isaeva Zhanna Isaeva (Gar.)	Z	2	0+2	L	V
04XRM3	Russian for Intermediate Students M3 V ra Šlechtová	Z	2	0+2	Z	V
04XRP1	Russian for Advanced Students P1 V ra Ślechtová Zhanna Isaeva (Gar.)	Z	2	0+2	Z	v
04XRP2	Russian for Advanced Students P2 Zhanna Isaeva Zhanna Isaeva (Gar.)	Z	2	0+2	L	V
04XRP3	Russian for Advanced Students P3 V ra Šlechtová	Z	2	0+2	Z	V
04XRZ1	Russian for Beginners Z1 Zhanna Isaeva Zhanna Isaeva (Gar.)	Z	2	0+4	L	V
04XRZ2	Russian for Beginners Z2 V ra Šlechtová Zhanna Isaeva (Gar.)	Z	2	0+4	Z	V
04XRZ3	Russian for Beginners Z3 Zhanna Isaeva Zhanna Isaeva (Gar.)	Z	2	0+4	L	V
04XRZ4	Russian for Beginners Z4 V ra Šlechtová	Z	2	0+4	Z	V
04XRZ5	Russian for Beginners Z5 V ra Šlechtová	Z	2	0+4	L	V
04XSM1	Spanish for Intermediate Students M1 Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+2	Z	V
04XSM2	Spanish for Intermediate Students M3 Beatriz Vadillo Gonzalo Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+2	L	V
04XSM3	Spanish for Intermediate Students M3 V ra Šlechtová	Z	2	0+2	Z	V
04XSP1	Spanish for Advanced Students P1 V ra Šlechtová Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+2	Z	V
04XSP2	Spanish for Advanced Students P2 Beatriz Vadillo Gonzalo Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+2	L	V
04XSP3	Spanish for Advanced Students P3 V ra Šlechtová	Z	2	0+2	Z	V
04XSZ1	Spanish for Beginners Z1 Beatriz Vadillo Gonzalo Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+4	L	V
04XSZ2	Spanish for Beginners Students Z2 V ra Šlechtová Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+4	Z	V
04XSZ3	Spanish for Beginners Z3 Beatriz Vadillo Gonzalo Beatriz Vadillo Gonzalo (Gar.)	Z	2	0+4	L	V
04XSZ4	Spanish for Beginners Z4 V ra Šlechtová	Z	2	0+4	Z	V
04XSZ5	Spanish for Beginners Z5 V ra Šlechtová	Z	2	0+4	L	V
Characteristics of the	e courses of this group of Study Plan: Code=BSPJAZYKYZAP	Name=BS P i	azyky za	p		
	nglish for Intermediate Students M1			•	Z	2
	students who have successfully completed the full secondary school English language	course at least at	the A2 level	of the Com	mon Europea	n Framework
of Reference for Languages	s (CEFR). It provides an introduction into English for Specific and Academic Purposes (	ESP, EAP), i.e., ir	nto fundame	ntals of voc	abulary and s	tyle typical of
professional oral and writter	n communication situations. Thus it covers topics related to the student's life and needs	s as well as topics	of subtechr	nical interest	t. Attention is	also paid to
extending the knowledge of	grammar issues used in EAP.					
04XAM2 Er	nglish for Intermediate Students M2				Z	2
	e student to have completed the AM1 course. It develops their skills for work with subte	echnical texts, foc	using also m	nore on spec	cific grammar,	functions,
	SP and EAP (e.g., definition, existence and classification of phenomena, object descript		-	-	-	
revision is included.		·		-	-	
04XAM3 Er	nglish for Intermediate Students M3				Z	2
	Ils that enable students to cope with features typical of professional style. Increasing atte	ntion is paid to de	velopina sut	l otechnical v	- 1	
	al texts. Great emphasis is placed on distinguishing different levels of formal and inform	-			-	-
	o includes studying abstracts and rules for writing them as well as basic rules for prepa					
student's field.		5 . <u>5</u>				
	nglish for Advanced Students P1				Z	2
	•	course (of least th	ho B1 lovel	 of the Com-	- 1	
-	students who have successfully completed the full secondary school English language s - CEFR). It provides an introduction into English for Specific and Academic Purposes	-				
	of professional oral and written communication situations (fundamentals of terms in ma				-	
					-	-
	written communication on topics related to the undergraduate's life and needs. It develop	os sniis iui iree pr	งเธออเบเาฝี W	nung (whun	y a u v, ieller (	n application,
	y revision of selected grammar topics is included.			1	7	
	nglish for Advanced Students P2				Z	2
	n AP1, thus extending the student's skills for working with subtechnical texts, and even	-				-
	entrates on chosen grammar topics, but mainly intends to develop understanding of syn					
	ible, a case study). Increasing emphasis is placed on the undergraduate's independen					-
	dent's subtechnical vocabulary, and includes fundamental notions of chosen branches	of science. It is for	cused on for	mal writing i	including the s	sentence and
paragraph structure, linking	, cohesion and coherence in texts.					
04XAP3 Er	nglish for Advanced Students P3				Z	2
	AP2 and expects the student to work without any guidance with authentic professional	materials and to in	nterpret the	text. It inclue	1	
	inctions (e.g., expressing an opinion, agreement, and objections; taking part in discussi		-		-	
	a given or chosen topic and presenting it. The course places emphasis on distinguishir		•		,	•
communication.		-		3 30		

04XCESZ1 Czech for Foreigners - Beginners 1	Z	2
The course is designed for students on the English programme. Students will become acquainted with the main characteristics of Czech (phonetic a	-	
acquire basic language and speaking skills. The course focuses on pronounciation exercises, simple social phrases, and oral and written communi		
communicative situations. The course covers roughly lessons 1-5 in "Chcete mluvit" esky" by H. Remediosová and E. echová. At the end of the course covers roughly lessons 1-5 in "Chcete mluvit" esky" by H. Remediosová and E.	Irse, the students \	will have reached
A1 (CEFR) approximately.	7	0
04XCESZ2 Czech for Foreigners - Beginners 2		2
The language and communication competences acquired in CESZ1 are further developed. Students extend their knowledge of Czech declension and communication of frequent topics. The course covers roughly lessons 6-10 in "Chcete mluvit" esky" by H. Remediosová and E. echová. At the end		-
have reached A2 (CEFR) approximately.		students will
	Z	2
04XCESZ3 Czech for Foreigners - Beginners 3 The course further develops the language and communication competences acquired in the XCESZ1 and XCESZ2 courses. The teaching focuses		-
correct pronunciation, deepening grammar, including grammar practice, and introducing Czech culture. Students are asked to produce simple texts		
of dialogue. They also practise understanding texts in terms of main ideas or looking for specific details in texts. The course covers roughly lessons		
04XCESM1 Czech for Foreigners - Intermediate 1	7	2
The course is focused on correct pronunciation, important morphological phenomena, prepositional phrases, and verb forms as well as on extending	<u>~</u> the student's vocal	
social situations.		
04XCESM2 Czech for Foreigners - Intermediate 2	Z	2
The course develops the topics covered in CESM1 and is then focused on more difficult grammar phenomena. It practices writing, speaking, and re	-	
in understanding common abbreviations, abbreviated words, and mathematical terms and formulas.	3	
04XCESM3 Czech for Foreigners - Intermediate 3	Z	2
The last course revises morphological topics covered earlier and extends the student's knowledge of more difficult language phenomena. It is espe		-
lexicology and on developing the student's writing skills.		,
04XCESP1 Czech for Foreign Students - Advanced 1	Z	2
The prerequisite of the course is very good knowledge of the Czech language, i.e., communicative competences at least at level B2 of the Common I	European Framewo	1
It is focused partly on revision of standard language structures, but mainly on practising more complex grammatical structures typical of the style of	science. Students	are taught the
basics of functional style of engineering and professional communication, both in spoken and written form. The topics include University Studies and	d Student Life. Wr	tten practice
includes communication with teachers and faculty administrators.		
04XCESP2 Czech for Foreigners - Advanced 2	Z	2
This course extends the student's knowledge acquired in CESP1 and focuses on difficult language phenomena. It practises working with technical	and specialist text	s placing greater
emphasis on individual work.		
04XCESP3 Czech for Foreigners - Advanced 3	Z	2
The course develops the student's knowledge from CESP2. It includes working with authentic specialist materials, their interpretation and presentation	tion, and, finally, pr	esentation of the
student's project. Writing skills necessary for professional communication are trained.		
04XFM1 French for Intermediate Students M1	Z	2
French - intermediate FM The objective of this three-semester course is to improve and further develop communication in the French language in b	oth written and ora	al form. Students
will be able to communicate in social interaction and in academic, scientific and professional environment. They will be able to use the language to	transmit general a	nd technical
information and to solve problems. FM1 The course builds on and further develops linguistic competence acquired at secondary school. It revises,	-	
skills gained in previous study. The following topics are covered: University studies in our country and in France, writing of transactional letters, CV, p		-
to an advert, French culture and geography, Paris. Topics of specialization: mathematics, physics. Reading technical and popular science texts, wor	k based on these	
04XFM2   French for Intermediate Students M2	Z	2
Course FM2 builds on FM1. Linguistic structures and competence acquired in previous study are systemized and expanded. Reading popular science		
and scientific language (passives, nominalization, word formation). Topics: physics, power engineering, environment, Internet, success of French sc	cience and technol	ogy, French
scientists, artists and architects. Description of an object, device, shapes, dimensions, material.		-
04XFM3 French for Intermediate Students M3	Z	2
The course is focused on improvement and further development of linguistic competence acquired during the follow-up courses. Syntactic structures		
participle structures, compound tenses). Text summaryStudents prepare a written paper which will be delivered in form of an oral presentation in- field of students' future specialisation or to their interest and generally covers a technical /applied science topic. It is not a translation but a creative		
and one's own knowledge/experienceLonger monologues on topics /situations set for the examination are prepared. Text structure, cohesion and	•	II FIERCI al licles
	_	2
04XFP1   French for Advanced Students P1 FP advanced course The objective of this three-semester course is to improve and further develop communication in the French language in both v	Z	1
be able to communicate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit ge		
to solve problems. FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are		
passé composé-imparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transaction		-
request, answer to an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. To	pics of specializati	on: mathematics,
internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation.		
04XFP2 French for Advanced Students P2	Z	2
With the link to P1 contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication	on given topics. Fe	atures typical of
technical and scientific communication are stressed (passive voice, nominalization, word formation).		
04XFP3 French for Advanded Students P3	Z	2
The course is focused on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication i	n engineering envi	ronment. Special
skill - translation of shorter texts (both from and into the language). Writing of a paper and making oral presentation in-class. The paper generally co	overs a technical /a	applied science
topic. It is a creative work compiled from 3 French sources. Preparation of several set topics for oral examination.		
04XFZ1 French for Beginners Z1	Z	2
French for beginners The objective of this 5-level course is to be able to communicate in French orally and in writing in situations of everyday life , ir	socializing and in	professional life.
The course includes French for specific / technical communication and reading of popular science and scientific texts. FZ1 The objective is to be ab	le to communicate	at elementary
level, actively using the knowledge of chosen elementary language. The contents is roughly outlined by lessons 1 - 7 of the textbook Pravda - Prave		-
(Francouzština pro za áte ky). It is extended with situations of communication and functions from the textbook Espaces I, lessons 1-4 : introduction	-	-
giving the directions, simple instructions and questions. Special attention is paid to pronunciation. Spelling is explained in connection with pronuncia		
04XFZ2 French for Beginners Z2	Z	2
The course is linking up with FZ1. Elementary linguistic knowledge and communication skills are expanded. The scope is given by lessons 8 - 13 o		
French for Beginners . Additional topics and skills are filled in from the textbook Espaces I, lesson 1 - 5 (introductions, invitation, welcoming, agreer	•	
thanking, travelling, map of France, food, expression of will, wish, order, prohibition, pleasure). Correct pronunciation is practiced. Stress on oral com	numication. Specifi	c topics covered:
How does the machine work? A few expressions concerning the study. Name of University and Faculty.		

		η
04XFZ3 French for Beginners Z3	Z	2
The course builts upon FZ2. Basic linguistic knowledge and skills are developed. The contents is given by lessons 14 - 18 of the textbook: Pravda -	Pravdová: French	for Beginners.
Topics, functions and situations are complemented from other materials. Stress is put on oral communication in dialogues and on reading, both for	information and lou	ud as part of
pronunciation practice. Reading covers short adapted texts of general interest first, and later popular science texts.		
04XFZ4 French for Beginners Z4	Z	2
The course builds up on FZ3. Basic linguistic knowledge and skills are further developed. Oral communication and reading skills are practiced. The	contents is roughly	y covered with
lessons 19 - 23 of the textbook French for Beginners, and is expanded with topics and functions from other materials. Reading is developed from the I		-
Students of FJFI. The course covers generals and specific topics: health- illness, sport, free time, environment, study, travelling in France, Paris, sh		
country and in France, how to write CV, application, topics in mathematics, reading physics - mechanics, informatics, internet.	11 0,	,
04XFZ5 French for Beginners Z5	Z	2
All four skills acquired in FZ4 are further developed, as well as technical language. Students prepare a paper on a chosen popular science topic. The	-	-
general contents is covered by lessons 24 - 26 of the textbook: Pravda-Pravdova, French for Beginners, and is complemented from other materials		
notes, success of French science and technology, information about France. Grammar is systemized and complemented with syntax (subordinate		
subjunctive clauses, gerund, passive.	ciauses, typical col	ijuncions,
	7	
04XNM2   German for Intermediate Students M2	Z	2
The course introduces other more complex grammatical structures and their application in communication based on technical texts, such as the relation is a structure of the stru		
the world at the beginning of the 21st century, linguistically more demanding texts on the environment, the language of mathematics, computers are		
practise reading for information and reading aloud, and appropriate language for various purposes in oral and written communication. The course syste	ematically revises o	ther grammatical
phenomena important for professional discourse (participles, relative clauses).	1	7
04XNM1 German for Intermediate Students M1	Z	2
The objective of the course is to level off the students' skills in the German language. The course focuses on revision of more difficult phenomena a	nd structures (e.g.	the passive) and
word formation processes (e.g. importance of verb prefixes). In the lexical part, it covers topics referring to higher education in both the Czech Rep	ublic and Germany	, current
environmental issues together with all necessary expressions and phrases, expressions and phrases needed to chemists, mathematicians, physic	sts, and the fundar	mentals of IT
terminology. It develops communication on related topics and is aimed at correct pronunciation, grammatical correctness and understandability.		
04XNM3 German for Intermediate Students M3	Z	2
The course introduces other more complex grammatical structures and their application in communication based on technical texts, such as the relati	on between techno	logy and society,
the world at the beginning of the 21st century, linguistically more demanding texts on the environment, the language of mathematics, computers ar	nd car technology e	etc. Students
practise reading for information and reading aloud, and appropriate language for various purposes in oral and written communication. The course syste		
phenomena important for professional discourse (participles, relative clauses).	,	0
04XNP1 German for Advanced Students P1	Z	2
This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be	1	
course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for		
more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses o	-	
i.e., telephoning.		, communication,
	7	2
04XNP2   German for Advanced Students P2		
The source develope the students' skills is working with professional existific toxis (understanding, summarising, note taking, interpreting) while sute	-	and authtophysical
The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while external data and the standard and the stand	nding their general	
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding a	nding their general and practising formal	
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding a both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)	nding their general and practising formal	l communication,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)04XNP3German for Advanced Students P3	nding their general and practising formal	l communication,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)04XNP3German for Advanced Students P3The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a	nding their general and practising formal 	l communication,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the	nding their general inding their general inding their general indination of the second	l communication, 2 Imon situations in fields such as
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are used.	nding their general inding their general inding their general indination of the practising formal indicates and the practice of the second sec	l communication, 2 mon situations in fields such as presentation,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form.	nding their general inding their general inding their general indination of the practising formal indicates and the practice of the second sec	l communication, 2 mon situations in fields such as presentation,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.	Ading their general and practising formal Z Variety of less com vocabulary range i ed. By means of a The course also inc	l communication, 2 mon situations in fields such as presentation,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form.	nding their general inding their general inding their general indination of the practising formal indicates and the practice of the second sec	l communication, 2 mon situations in fields such as presentation,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech) 04XNP3 German for Advanced Students P3 The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.	Adding their general indepractising formal Zvariety of less com vocabulary range i ed. By means of a The course also inco	l communication, 2 mon situations in fields such as presentation, cludes translation 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1	Adding their general and practising formal Zvariety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten),
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)04XNP3German for Advanced Students P3The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.04XRM1Russian for Intermediate Students M1The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alpha	Adding their general and practising formal Zvariety of less com vocabulary range i ed. By means of a The course also inc Z bet (both printed a king the way and g	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions),
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)O4XNP3German for Advanced Students P3The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.O4XRM1Russian for Intermediate Students M1The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphabasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as	Adding their general and practising formal Zvariety of less com vocabulary range i ed. By means of a The course also inc Z bet (both printed a king the way and g	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions),
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)O4XNP3German for Advanced Students P3The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.O4XRM1Russian for Intermediate Students M1The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.	Adding their general and practising formal Zvariety of less com vocabulary range i ed. By means of a The course also inc Z bet (both printed a king the way and g	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions),
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphibasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2	Adding their general and practising formal Zvariety of less com vocabulary range i ed. By means of a The course also inc Zabet (both printed a king the way and g nt level of the RZ2	I communication, 2 Imon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphabasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general and practising formal and practising formal Z variety of less com vocabulary range i ed. By means of a The course also incom Z abet (both printed a king the way and g and the vel of the RZ2 additional content of the RZ2 addit</td> <td>l communication, 2 Imon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2</td>	Adding their general and practising formal and practising formal Z variety of less com vocabulary range i ed. By means of a The course also incom Z abet (both printed a king the way and g and the vel of the RZ2 additional content of the RZ2 addit	l communication, 2 Imon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general indepractising formal indepractising formal indepractising formal indepractising formal indepractic solution in the course also incomplete the course also incompl</td> <td>l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2</td>	Adding their general indepractising formal indepractising formal indepractising formal indepractising formal indepractic solution in the course also incomplete the course also incompl	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphe basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable.<	Adding their general indepractising formal indepractising formal indepractising formal indepractising formal indepractic solution in the course also incomplete the course also incompl	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphabasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general indepractising formal </td> <td>I communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 f the time allotted</td>	Adding their general indepractising formal 	I communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 f the time allotted
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphibasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the R23 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general indepractising formal </td> <td>I communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 f the time allotted 2</td>	Adding their general indepractising formal 	I communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 f the time allotted 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphi- basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable.<	Adding their general indepractising formal 	I communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 f the time allotted 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alphibasic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. </td <td>Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inco Z abet (both printed a king the way and g ht level of the RZ2 Z Adding the variety of the RZ2 Z however, for half of Z variety of less com</td> <td>I communication,</td>	Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inco Z abet (both printed a king the way and g ht level of the RZ2 Z Adding the variety of the RZ2 Z however, for half of Z variety of less com	I communication,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. </td <td>Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi</td> <td>l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2</td>	Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi</td> <td>l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2</td>	Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general inding their general inding tractising formal inding tractising formal indinational practising formal indinational provides the second structure of the second structure and general indication in the second structure of the second structure of the second structure is a second structure indication in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure in the second structure in the second</td> <td>l communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2  4  2  5  5  2  2  5  5  2  2  2  5  5  2  2</td>	Adding their general inding their general inding tractising formal inding tractising formal indinational practising formal indinational provides the second structure of the second structure and general indication in the second structure of the second structure of the second structure is a second structure indication in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure in the second structure in the second	l communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2  4  2  5  5  2  2  5  5  2  2  2  5  5  2  2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi</td> <td>l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2</td>	Adding their general indepractising formal and practising formal Variety of less com vocabulary range i ed. By means of a The course also inc Z abet (both printed a king the way and g int level of the RZ2 Z however, for half of Z vracticing more diffi	l communication, 2 mon situations in fields such as presentation, cludes translation 2 and handwritten), giving directions), course. The 2 2 f the time allotted 2 icult grammar 2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Imaging their general inding their general inding tractising formal         Imaginary and the practising formal         Imaginary and the practicity of less communication of the prace of the prac</td> <td>l communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2  4  5  5  2  2  5  2  2  2  2  2  2  2  2</td>	Imaging their general inding their general inding tractising formal         Imaginary and the practising formal         Imaginary and the practicity of less communication of the prace of the prac	l communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2  4  5  5  2  2  5  2  2  2  2  2  2  2  2
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph- basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M3         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. </td <td>Imaging their general inding their general inding tractising formal         Imaginary and the practising formal         Imaginary and the practicity of less communication of the prace of the prac</td> <td>I communication,</td>	Imaging their general inding their general inding tractising formal         Imaginary and the practising formal         Imaginary and the practicity of less communication of the prace of the prac	I communication,
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         O4XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope orrespond roughly to RZ4, however, for half of the time allotted in the timetable. <td>Imaging their general inding their general inding tractising formal         Imaging their general indication of the practising formal         Imaging tractice of the practice of the practice of the practice of the printed area         Imaging tractice of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging translation         Imaging translation         Imaging translation         Imaging translation         Imaging translation         Imaging translation</td> <td>I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 f the time allotted  2 f the time allotted  2 cult grammar  2 ecific syntactic  2 The RP1 - RP3 elop and expand</td>	Imaging their general inding their general inding tractising formal         Imaging their general indication of the practising formal         Imaging tractice of the practice of the practice of the practice of the printed area         Imaging tractice of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging the way and general indication of the printed area         Imaging translation         Imaging translation         Imaging translation         Imaging translation         Imaging translation         Imaging translation	I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 f the time allotted  2 f the time allotted  2 cult grammar  2 ecific syntactic  2 The RP1 - RP3 elop and expand
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, are they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable. </td <td>Imaging their general inding their general inding tractising formal         Imaging tracticity of less communication of less communication of the less communication of the course also incommunication of t</td> <td>I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 and handwritten 2 and handwritte</td>	Imaging their general inding their general inding tractising formal         Imaging tracticity of less communication of less communication of the less communication of the course also incommunication of t	I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 and handwritten 2 and handwritte
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course is to achieve the RM1 course, its contents M2         04XRM2       Russian for Intermediate Students M2         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable.         04XRM2	Imaging their general inding their general inding tractising formal         Imaging tracticity of less communication of less communication of the less communication of the course also incommunication of t	I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 and handwritten 2 and handwritte
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course is to scients and scope of the course is to scients and scope of the course is to scient and scope are roughly to RZ4, however, for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M3         The course is based on the RM1 course, its contents and scope corres	Imaging their general inding their general inding tractising formal         Imaging tracticity of less communication of less communication of the less communication of the course also incommunication of t	I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 and handwritten 2 and handwritte
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         04XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         04XRN1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course is contents and scope or the RZ3 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M3         The course is based on the RM1 course, its contents and scope correspond roughly to RZ4, however, for half of the time allotted in the timetable.	Image: Second	I communication,  2 mon situations in fields such as presentation, cludes translation  2 and handwritten), giving directions), course. The  2 and handwritten 2 and handwritte
vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding at both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indirect speech)         O4XNP3       German for Advanced Students P3         The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are us students are trained to process information gained from their reading of complex and difficult texts and present it to the class in a simplified oral form. practice to and from German.         O4XRM1       Russian for Intermediate Students M1         The course is designed for students with previous knowledge of Russian from secondary schools. Students are supposed to know the Russian alph basic vocabulary for communication in everyday situations (introductions, socializing, greetings, shopping for food and objects of everyday need, as they can use basic grammar structures (verbal and nominal forms, irregular verbs, pronouns). The initial knowledge corresponds to the achieveme contents and scope of the course correspond approximately to the R23 course, but for half of the time allotted in the timetable.         04XRM2       Russian for Intermediate Students M2         The course is based on the RM course, its contents and scope correspond approximately to the R23 course, in the timetable.	Image: Second Structure       Image: Second Structure         Image: Second Structure       Image: Second Structure <td>I communication,</td>	I communication,

04XRZ2	Russian for Beginners Z2	Z	2				
	f the programme is designed to teach skills for basic communication in everyday situations and for reading easy and short si						
	ing short sentences and appropriate structures, and read aloud with confidence a short text without marked stress. They will ical structures. They will have mastered with confidence the Russian alphabet and will be able to use it in writing.	also develop their	vocabulary and				
04XRZ3	Russian for Beginners Z3	Z	2				
The course is based on	RZ2 and includes further everyday topics, develops understanding of short compact texts on new subtechnical topics (for train	ning various forms	of reading skills				
and listening) and introd	luces new grammar. Students will be trained to distinguish intonation patterns while listening to spoken language. They will b	e able to respond	so as to be				
understood, and to exp	ess their opinion. Writing skills will be trained on guided writing tasks and note-taking.						
04XRZ4	Russian for Beginners Z4	Z	2				
The course is based on	RZ3. It improves and expands the knowledge of general language in all four skills (reading and understanding longer texts with	a certain percent	age of unfamiliar				
	ion in everyday situations, writing longer texts). Students are trained to use grammar structures effectively (e.g., irregular ver		•				
-	from Czech, modality, imperatives, conditionals). They practice and develop communication skills for everyday situations (food, travelling, free time), and practice oral and written						
	e specific topics (environment, addictions, the green movement). They become acquainted with various geographical data (e.	.g., Siberia), learn	how to fill in				
	nation from the timetable, learn about Russian holidays and typical meals.		-				
04XRZ5	Russian for Beginners Z5	Z	2				
	student to have completed RZ4. It concentrates predominantly on reading skills (working with professional texts, i.e. understa	<b>.</b>	•				
	ialized text) and speaking, and to a certain extent, writing about the professional information obtained by reading the texts. C						
	ing grammar is based on professional and technical texts and only includes items typically used in professional communication		es, participles,				
, ,	s develop their technical and economic vocabulary, and are also trained in some professional skills (writing a CV, polite reque	· · · · ·					
04XSM1	Spanish for Intermediate Students M1	Z	2				
•	for students whose competence is at level B1 of CEFR, i.e. those who studied Spanish in the secondary school. The 3-seme						
	ention to further grammar topics (e.g., perifrasis verbales, futuro imperfecto, direct object and indirect object pronouns, nega		-				
	and oral communication on a given everyday or easy subtechnical topic, for which the students are trained by reading texts o						
04XSM2	Spanish for Intermediate Students M3	<u>Z</u>	2				
	e students knowledge from the previous course (SM1). Students are gradually acquainted with fundamentals of Spanish for	specific purposes	in order to be				
	lized texts on the Internet.						
04XSM3	Spanish for Intermediate Students M3	Z	2				
	upplemented with additional subtechnical materials, so the students will be gradually acquainted with the peculiarities of acad		-				
enough to use the Internet in Spanish and search for information of their specialization or field of interest. Students will use the information to write short articles and summaries. The							
final part of the presson			Sammanes. The				
	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination.						
04XSP1	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1	Z	2				
04XSP1 Course concentrates or	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination.	Z	2				
04XSP1 Course concentrates or of CEFR.	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat	Z	2 juisites: level B2				
04XSP1 Course concentrates or of CEFR. 04XSP2	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2	Z ion. Course prerec	2 juisites: level B2 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat	Z ion. Course prerec	2 juisites: level B2 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication.	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy	Z ion. Course prerect Z ntax and focuses	2 Juisites: level B2 2 on independent				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3	Z ion. Course prerect Z rntax and focuses Z	2 Juisites: level B2 2 on independent 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is	Z ion. Course prerect Z rntax and focuses Z	2 Juisites: level B2 2 on independent 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students	Ime, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career.	Z ion. Course prerect Z rntax and focuses Z focused on writter	2 Juisites: level B2 on independent 2 communication				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1	Ime, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1	Z ion. Course prerect Z intax and focuses Z focused on writter	2 yuisites: level B2 2 on independent 2 communication 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s	Ime, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundam	Z ion. Course prerect Z intax and focuses Z focused on writter Z nental grammar st	2 yuisites: level B2 2 on independent 2 communication 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundamental vocabulary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a	Z ion. Course prerect Z ntax and focuses Z focused on writter Z nental grammar st and will develop it.	2 quisites: level B2 2 on independent 2 communication 2 ructures and will				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the sector written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first st be able to communicate 04XSZ2	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2	Z ion. Course prerect ntax and focuses Z focused on writter Z nental grammar st and will develop it. Z	2 quisites: level B2 2 on independent 2 communication 2 ructures and will 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and I	Z ion. Course prerect Z ntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser	2 quisites: level B2 2 on independent 2 communication 2 ructures and will 2 s os as to enable				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and in rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or state of the texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or state of written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or state of written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or state of the five-speaking count	Z ion. Course prerect Z ntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser	2 quisites: level B2 2 on independent 2 communication 2 ructures and will 2 s os as to enable				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and in rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or king countries are also included.	Z ion. Course prerect Z ntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the b	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 so as to enable Czech Republic.				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundamentar level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and is rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or sing countries are also included. Spanish for Beginners Z3	Z ion. Course prerect Z ntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the of Z	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 so as to enable Czech Republic. 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on	Interest and examination in their career. Spanish for Advanced Students P3 part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P2 and part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundam at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or sing countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or sing course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (hist	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the of the Spanish-spe	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries,				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundamental vocabulary of general Spanish a Spanish for Beginners Z1 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or king countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperativ	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the of the Spanish-spe	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries,				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a give	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or king countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) o attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative en general topic, for which the student is trained by reading texts or listening to them.	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the of the Spanish-spe re). It includes writt	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundam at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and le rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and of king countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) o attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperativ en general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt	2 quisites: level B2 2 on independent 2 communication 2 ructures and will 2 o so as to enable Czech Republic. 2 aking countries, en and oral 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the secc written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4 The course is based on	Inter, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 and part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course, lt is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and l rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or king countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) of attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative en general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4 course SZ3. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanish	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt Z ish speaking coun	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral 2 rrise, mainly of				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4 The course is based on Spain. It pays attention	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and of rt adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or sing countries are also included. Spanish for Beginners Z3 course SZ2, and develops the student 's vocabulary and grammar structure. The course covers realia (history and culture) o attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative on general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4 course SZ3. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanis to further grammar topics (perifrasis verbales, futuro imperfecto, direct object and indirect object pronouns, negative form of the reading to the spanish to imperfecto, direct object and indirect object pronouns, negative form of to further grammar topics (perifrasis verbales, futuro imperfecto	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt Z ish speaking coun	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral 2 rrise, mainly of				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4 The course is based on Spain. It pays attention to written and oral comm	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course S21, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or king countries are also included. Spanish for Beginners Z3 course S22, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or attention to further grammar topics (preterito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative en general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4 course S23. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanish to further grammar topics (perifirasis verbales, futuro imperfecto, direct object and indirect object pronouns, negative form of nunication on a given general or subtechnical topic, for which the student is trained by reading texts or listening to them.	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt Z ish speaking coun the imperative, an	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral 2 rries, mainly of d subjunctive),				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4 The course is based on Spain. It pays attention to written and oral comm 04XSZ5	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundam at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course S21, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or it adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and or sing countries are also included. Spanish for Beginners Z3 course S22, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative en general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4 course S23. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanish to further grammar topics (perifrais verbales, futuro imperfecto, direct object and indirect object pronouns, negative form of nunciation on a given general or subtechnical topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z5	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt Z ish speaking coun the imperative, an	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral 2 tries, mainly of d subjunctive), 2				
04XSP1 Course concentrates or of CEFR. 04XSP2 Course SP2 is the seco written communication. 04XSP3 Course SP3 is the final based on what students 04XSZ1 Course SZ1 is the first s be able to communicate 04XSZ2 Course SZ2 is based or them to understand sho Realia of Spanish-spea 04XSZ3 The course is based on mainly of Spain. It pays communication on a giv 04XSZ4 The course is based on Spain. It pays attention to written and oral comm 04XSZ5 The course books are s	me, general Spanish course based on course books, covers presentations and, finally, a written and oral examination. Spanish for Advanced Students P1 more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communicat Spanish for Advanced Students P2 nd part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and sy Spanish for Advanced Students P3 part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is will need in their career. Spanish for Beginners Z1 tage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundant at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish a Spanish for Beginners Students Z2 course S21, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and or king countries are also included. Spanish for Beginners Z3 course S22, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) or attention to further grammar topics (preterito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative en general topic, for which the student is trained by reading texts or listening to them. Spanish for Beginners Z4 course S23. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanish to further grammar topics (perifirasis verbales, futuro imperfecto, direct object and indirect object pronouns, negative form of nunication on a given general or subtechnical topic, for which the student is trained by reading texts or listening to them.	Z ion. Course prerect Z rntax and focuses Z focused on writter Z nental grammar st and will develop it. Z exis will be choser thers such as the Z of the Spanish-spe re). It includes writt Z ish speaking coun the imperative, an	2 uisites: level B2 2 on independent 2 communication 2 ructures and will 2 a so as to enable Czech Republic. 2 aking countries, en and oral 2 tries, mainly of d subjunctive), 2				

# List of courses of this pass:

Code	Name of the course	Completion	Credits
00EKOT	Economy in Technology	Z	1
	The course introduces the basics of micro- and macroeconomics.		
00ETV	Ethics of Science and Technology	Z	1
00MAM1	Essentials of High School Course 1	Z	1

00MAM2	Essentials of High School Math Course 2	Z	1
00 <b>D</b> T	Review of basics of high school mathematics.		
00PT	Preparatory Week	Z	2
00RET	Rhetoric	Z	1
	ed on the acquisition of speech and voice techniques and on the rules of correct pronounciation. The course is also devoted to the		
	onverbal aspects. Stylistics exercises, strategies for coping with stage-fright and a short excursion into the history of rhetoric are ar		
00UPRA	Introduction to Law	Z	1
00UPSY	Introduction to Psychology	Z	1
01ALGE	Algebra	Z,ZK	6
	ioms are treated in detail. Elements of the set theory cover only: equivalence and subvalence, the Cantorov-Bernstein theorem, the		
statements, definition	on of ordinals and cardinals. Further standard algebraic structures are addressed: semigroups, monoids, groups, rings, integral don	nains, principal ide	al domains,
	fields, lattices. Independent chapters are devoted to divisibility in integral domains and to finite fields.		1
01ANA3	Mathematical Analysis A 3	Z,ZK	9
	Function sequences and series, introduction to topology and metric spaces, differential calculus of functions of several variat		
01ANA4	Mathematical Analysis A 4	Z,ZK	9
	Inverse and implicit functions, constrained extrema, measure and integration theory, contour and surface integrals.		1
01BASE	Bachelor Seminar	Z	1
-	seminar, students familiarize themselves with the general principles of publishing and presenting scientific work and the formal requ		-
	ty. The second part is designed as a practical training for the defense of the bachelor's degree project. The students give oral prese		
the research resu	Its achieved during the work on their projects. Each presentation is followed by a discussion on scientific matters as well as on the	possibilities of imp	roving the
	student's performance.		
01BPAA1	Bachelor project 1	Z	5
	Student's project on the selected topic under the supervision. Supervision and regular checking of the project under prepara		1
01BPAA2	Bachelor project 2	Z	10
	Student's project on the selected topic under the supervision. Supervision and regular checking of the project under prepara		
01DIFR	Differential Equations	Z,ZK	4
The course contains	introduction in the solution of ordinary differential equations. It contains a survey of equation types solvable analytically, basics of the	he existence theor	y, solution of
	linear types of equations and introduction in the theory of boundary-value problems.		
01DIM1	Discrete Mathematics 1	Z	2
	The seminar is devoted to elementary number theory and applications. It includes individual problem solving.		
01DIM2	Discrete Mathematics 2	Z	2
	The seminar is devoted to recurrence relations. It includes individual problem solving.		•
01DIMA3	Discrete Mathematics 3	ZK	2
Students get to know	v problems and methods of their solving from various parts of discrete mathematics. The seminar includes individual problem solvin	g of one's own cho	oice from the
	given literature.		
01DPVB	Differential calculus on manifolds	ZK	2
Smooth manifold, tar	ngent space differential forms, tensors, Riemannian metrics and manifold, covariant derivative, parallel transport, orientation of mani	ifold, itegration on r	manifold and
	Stokes theorem.		
01FAN2	Functional analysis 2	Z,ZK	5
The course aims t	o present selected fundamental results from functional analysis including basic theorems of the theory of Banach spaces, closed o	perators and their	spectrum,
	Hilbert-Schmidt operators, spectral decomposition of bounded self-adjoint operators.		
01FANA1	Functional Analysis 1	Z,ZK	5
01FKO	Functions of Complex Variable	Z,ZK	3
	m outlining the Jordan curve theorem and the Riemann-Stieltjes integral. Then basic results of complex analysis in one variable are e		-
	n and the Cauchy-Riemann equations, holomorphic and analytic functions, the index of a point with respect to a closed curve, Cauc	-	
theorem, roots of a h	olomorphic function, analytic continuation, isolated singularities, the maximum modulus principle, Liouville's theorem, the Cauchy est	timates, Laurent se	eries, residue
	theorem.		
01GTDR	Geometric Theory of Ordinary Differential Equations	Z	2
	s of the qualitative theory of ODEs dealing with the geometric and topological properties of the solution. In this context, we mention s	1	basic results
	the existence and uniqueness, continuous dependence on parameters and initial conditions. Main part is devoted to the autonomo	-	
01JEPR	Simple Compilers	Z	2
o loci i i i	Lexical and syntax analysis, code generation, simple optimizations, development environments, reflection.	-	-
01LAL	Linear Algebra 1	Z	2
-	Linear dependence and independence. 3. Basis and dimension. 4. Subspaces of vector spaces. 5. Linear mappings. 6. Matrices of		1
1. 100101 0000.2.1	theorem.	iniour muppingo. r	
01LAL2	Linear Algebra 2	Z,ZK	4
	e matrix and operator. 2. Permutation and determinant. 3. Spectral theory (eigenvalue, eigenvector, diagonalization). 4. Hermitian ar		
	nality. 6. Metric geometry. 7. Riesz theorem and adjoint operator. Outline of the exercises: 1. Methods for calculation of inverse mati		
	B. Calculation of eigenvalues and eigenvectors. 4. Hermitian and quadratic forms. Canonical form. 5. Scalar product and orthogonali		
	complements. 6. Geometry – exercises and examples. 7. Adjoint operators.	ty. Outoutution of o	ininggonai
01LALZ		ZK	2
	Linear Algebra 1, exam		
01LIP	Linear Programming	Z,ZK	
we study special pro	bblems about constrained extremum problems for multivariable functions (the function is linear and the constraint equations are given	i by intear equation	ns and lineal
0414411	inequalities).	7	A
01MAN	Calculus 1	Z	4
	Basic calculus (real analysis, functions of one real variable, differential calculus).		
01MAN2	Calculus 2	Z,ZK	8
	ifferential calculus: Taylor's Polynomials, Taylor's formula 2. Infinite series: criteria of convergence, operations on series, absolute a		-
Real and complex po	ower series, the Cauchy-Hadamard theorem, expansion of function into power series, summation of infinite series. 4. Theory of integ	rals: primitives, de	tinite integra
	(Riemann definition), techniques of integration and application of integrals, Generalized Riemann integral		

01MANZ	Calculus 1, exam	ZK	4
01MAPR	Markov processes	Z,ZK	4
01MAS	Mathematical Statistics	ZK	3
The subject is dev	oted to usage of statistical methods studied in the course of Mathematical statistics. We deal with Fisher information matrix of statisti	ical models, finding	g unbiased
estimators with I	minimal variance, parameter estimation by method of moments and method of maximum likelihood, derivation of critical regions for h	ypothesis testing u	using the
	Neyman-Pearson lemma and likelihood ratio, confidence intervals and non-parametric density estimation.		
01MASC	Mathematical Statistics - Seminar	Z	2
The subject is dev	roted to practical use of statistical methods studied in the course Mathematical Statistics 01MAS. The tutorial deals with calculation o	f Fisher informatio	n matrix of
	inding unbiased estimators with minimal variance, parameter estimation by method of moments and method of maximum likelihood, of		l regions for
-	pothesis testing using the Neyman-Pearson lemma and likelihood ratio, calculation of confidence intervals and non-parametric densi	ty estimation.	
01MIP	Measure and Probability	Z,ZK	6
	ted to the introduction to Theory of probability on measure-theoretic level for discrete models, continuous distributions and general dis		
We deal with the	examples of distributions including multi-dimensional Gaussian distribution and their properties. Further the (non)+integral characteria	stics of random va	riables (E,
04111444	Var,), convergence modes (Lp, P, a.s., D) and variants of limit theorems are derived (LLN, CLT).	71/	
01NMA1	Numerical Mathematics 1	ZK	4
I ne course introd	uces to numerical methods for solving the basic problems arising from technical and research problems. The accent is put on a good theoretical methods.	understanding of	the root of
		7 71/	2
01PGR1	Computer Graphics 1 two-semester "Computer Graphics" course is devoted to the specifics of digital display devices spanning from history up to the state o	Z,ZK	
	ental problems in 2D computer graphics is given together with their solutions. Focus is put on mathematical description of problems and ex	-	
-	nowledge previously obtained in a variety of subjects available at FNSPE. The final part of the course covers the applications of com		
	the process of authoring scientific documents and presentations.	putor grapmoo app	
01PGR2	Computer Graphics 2	Z,ZK	2
	f the two-semester "Computer Graphics" course begins with a brief introduction to signal theory in the context of aliasing - a phenom		
	a well structured survey of fundamental problems in 3D computer graphics is given together with their solutions, from the description		
	put on mathematical description of problems and explanation of the corresponding algorithms using knowledge previously obtained in		
at FNSPE. The algo	prithm implementation aspect such as data structures design etc. is also a matter of concern. In the last lecture, a number of theoretic	al concepts are de	emonstrated
	using Blender, an open-source 3D modeling and rendering software instrument.		
01PSL	LaTeX - Publication Instrument	Z	2
	The course is devoted to the basics and facilities of computer typography, particularly to the system LaTeX		
01PSR	Principles of Statistical Decision Making	ZK	2
The subject is devo	ted to the statistical techniques for general decision procedures based on optimization of suitable stochastic criterion, their mutual con	mparisons with res	pect to their
	properties and applicability.		
01PW	Windows Programming	Z	2
Simple	graphical programs for MS Windows. Basic editing controls. File input and output. User defined components, dynamic type identificat	tion and reflection.	
01RMAF	Equations of Mathematical Physics	Z,ZK	7
The subject of this of	course is solving integral equations, theory of generalized functions, classification of partial differential equations, theory of integral tr	ansformations, and	d solution of
	partial differential equations (boundary value problem for eliptic PDE, mixed boundary problem for eliptic PDE).	-	-
01SAM	Seminar of Applied Mathematics	Z	2
T. Delectoscopy	and acoustic emission. 2. Machine learning. 3. Traffic flow dynamics. Dynamics of crowd movement. 4. Digital image processing. 5. Dy predictions in economics, sociology and psychology. 7. Application of random matrix theory.	ynamic pricing. 6. 3	Statistical
01SOS1	Software Seminar 1	Z	2
015051	Java, Java Beans, Assembly language programming for microprocessors Intel 80x86	2	2
01SOS2	Software Seminar 2	Z	2
	GTK+ and Qt. Development of graphical user interface using C and C++ programming languages. Portable applications for Unix like		1
	for Linux systems. Portability to Microsoft Windows.	oporating oporotion	, copecially
01SSM1	Seminar of Contemporary Mathematics 1	Z	2
	provides a different approach to those fields of mathematics that are included in curriculum but also to those that are not part of basic	—	1
01TKO	Theory of Codes	ZK	2
	Algebraic methods used in error detecting and error correcting codes.		I
01TOP	Topology	ZK	2
 	The aim of lecture is the systematization and deepening the knowledge of general topology.	1	
01ZAOS	Introduction to Operating Systems	Z,ZK	2
Introduc	tion to structure of operating systems. Processes, thread, memory management. Synchronization of multi-threaded applications. Me	mory mapped files	
02DEF1	History of Physics 1	Z	2
	ace in the system of sciences. The relationship of man and nature. Natural sciences in ancient Orientand Greece, Greek natural philo	sophers, Aristotle.	Physics in
Helenistic period,	Archimed. Arabic science, European science in Middle Ages. Renaissance - da Vinci, Giordano Bruno. Copernicus, Kepler, Galileo, H	Huygens. The birth	of physics
	as experimental science. Newton and his work.		
02DRG	Differential Equations, Symmetries and Groups	Z	4
	The purpose of the lecture is to teach students computation of symmetries of the differential equations.		
02ELMA	Electricity and Magnetism	Z,ZK	6
-	bulomb's law, electrostatic field, Gauss' law. Electric dipole, polarization. Conductors and dielectrics. Electric current and circuits, cond	-	he relativity
	Electrodynamic forces, magnetic field. Magnetic dipole, magnetics. Electromagnetic induction, ac currents. Electromagnetic waves, M		
02KM1	Quantum Mechanics 1	Z,ZK	6
Abstract: The lectur	e describes the birth of quantum mechanics and description of one particle and more particles by elements of the Hilbert space as we	II as its time evoluti	ion. Besides
	that it includes description of observable quantities by operators in the Hilbert space and calculation of their spectra.	_	
02MECH	Mechanics	Z	4
	ics, physical quantities and units. Particle kinematics, basic types of motion and theirsuperposition. Particle dynamics, one-dimension		
in central force fie	eld, forces innoninertial reference frames. Mechanics of system of free particles, two-body problem, collisions. Mechanics ofrigid bod	y, rotation. Fundan	nentals of
	continuum mechanics, elasticity, hydrodynamics. Sound.		

02MECHZ	Mechanics - Examination	ZK	2
	The content of the subject is the examination according to the plan of studies.	1	
02SMF	Seminar of Mathematical Physics	Z	2
The purpose of th	he seminar is to iluminate mathematical physics by virtue of solved examples. It is supposed that the teachers of the physics departm	ent will present sim	nple tasks
	concerning their scientific activities that could become the topics of the student?s bachelor theses in the next year		
02TEF1	Theoretical Physics 1	Z,ZK	4
	troduction to analytical mechanics. The students acquire knowledge of the basic concepts of the Lagrange and Hamiltonian formalism		
	ynamics (Newton's, Lagrange, Hamilton and Hamilton-Jacobi equations). The efficiency of these methods is illustrated on elementar		
problem, the motion	on of a system of constrained mass points, and of a rigid body. Advanced parts of the course cover differential and integral principles	of mechanics. The	subject is
02TEF2	the first part of the course of classical theoretical physics (02TEF1, 02TEF2). Theoretical Physics 2	Z,ZK	4
	sformations in physics. Mechanics of point mass, rigid body and continuum. The special theory of relativity: relativistic mechanics and	· · ·	
	me. Classical electrodynamics: Maxwell's equations in the Minkowski space-time, electromagnetic waves in dielectric media, electron		
	approximation.	lagitette taalatett i	
02UKP1	Introduction to Curves and Surfaces	Z	2
	ecture is an introduction to the differential geometry of simple manifolds - curves and two-dimensional surfaces. The basic concepts fi	or the curves are in	
Frenets formulae ar	e explained. In the surface theory we introduce first and second fundamental forms and mean and Gaussian curvature. Essential part	of the lecture are th	e examples
	calculated by students.		
02UKP2	Introduction to Curves and Surfaces 2	Z	2
The lecture extend	ds the course 02UKP1. The properties of the first fundamental form are briefly summarized. The concept of the second fundamental	form is introduced,	leading to
	the mean and Gaussian curvature. Finally, the usual concepts of Riemann geometry are introduced.		
04AKS	English Conversation	Z	1
	velop the student's communication skills acquired throughout their previous studies. It aims to improve all aspects of oral communication		
-	r various communication situations and will master their communication strategy. They will also practise their listening skills in order t		participate
	scussions. The student will be trained to express their ideas clearly and according to current English usage, and become a more cor	ifident speaker.	
04XAM1	English for Intermediate Students M1		2
-	ned for students who have successfully completed the full secondary school English language course at least at the A2 level of the C nguages (CEFR). It provides an introduction into English for Specific and Academic Purposes (ESP, EAP), i.e., into fundamentals of	-	
	nd written communication situations. Thus it covers topics related to the student's life and needs as well as topics of subtechnical int		
	extending the knowledge of grammar issues used in EAP.	erest. Alternion is a	liso paid to
04XAM2	English for Intermediate Students M2	7	2
	expects the student to have completed the AM1 course. It develops their skills for work with subtechnical texts, focusing also more on		
	pical of ESP and EAP (e.g., definition, existence and classification of phenomena, object descriptions). Part of the course is also guided		
	revision is included.	-	
04XAM3	English for Intermediate Students M3	Z	2
The course develop	is the skills that enable students to cope with features typical of professional style. Increasing attention is paid to developing subtechnic	al vocabulary and ir	ndependent
	professional texts. Great emphasis is placed on distinguishing different levels of formal and informal oral and written communication		
equivalents. The co	urse also includes studying abstracts and rules for writing them as well as basic rules for preparing and giving a short presentation o	n a chosen topic re	elated to the
	student's field.		
04XAMZK	English for Intermediate Students Examination	ZK	4
	ent is the examination as given by the study plan. The examination covers the AM1, AM2, and AM3 courses and consists of two parts		) and oral
	30 min). The student is expected to master the AM syllabus and demonstrate the ability to apply their knowledge gained in the three B English for Advanced Students P1		2
04XAP1	gned for students who have successfully completed the full secondary school English language course (at least the B1 level of the C		2 Framework
-	Languages - CEFR). It provides an introduction into English for Specific and Academic Purposes (ESP, EAP), i.e., into the fundamen	-	
	e typical of professional oral and written communication situations (fundamentals of terms in mathematics and physics, definitions, g	-	
	oral and written communication on topics related to the undergraduate's life and needs. It develops skills for free professional writing (w		
	polite request). If necessary, revision of selected grammar topics is included.		
04XAP2	English for Advanced Students P2	Z	2
The AP2 course is	based on AP1, thus extending the student's skills for working with subtechnical texts, and even with professional texts of chosen brai	nches of science. A	ccording to
	s it concentrates on chosen grammar topics, but mainly intends to develop understanding of syntactic structures and typical rhetorica		
	d, if possible, a case study). Increasing emphasis is placed on the undergraduate's independent work with and reading of linguistical	, ,	
The course extends	s the student's subtechnical vocabulary, and includes fundamental notions of chosen branches of science. It is focused on formal writ	ing including the se	entence and
0.41/4.50	paragraph structure, linking, cohesion and coherence in texts.		
04XAP3	English for Advanced Students P3	Z	2
	pased on AP2 and expects the student to work without any guidance with authentic professional materials and to interpret the text. It in ills and functions (e.g., expressing an opinion, agreement, and objections; taking part in discussion, note-taking; summarizing, writing	-	
	broject on a given or chosen topic and presenting it. The course places emphasis on distinguishing levels of formal and informal lang		
	communication.	age both in oral a	
04XAPZK	English for Advanced Students Examination	ZK	4
	is the examination as given by the study plan. The student is supposed to demonstrate mastering the AP3 syllabus and the ability to a		
	courses. The examination consists of 2 parts - written (110 min) and oral (30 min) and includes also oral presentation of a topic from		
04XCESM1	Czech for Foreigners - Intermediate 1	Z	2
	ed on correct pronunciation, important morphological phenomena, prepositional phrases, and verb forms as well as on extending the s	tudent's vocabulary	/ for various
	social situations.		
04XCESM2	Czech for Foreigners - Intermediate 2	Z	2
The course develo	ps the topics covered in CESM1 and is then focused on more difficult grammar phenomena. It practices writing, speaking, and readir	ng skills and trains	the student
	in understanding common abbreviations, abbreviated words, and mathematical terms and formulas.		
04XCESM3	Czech for Foreigners - Intermediate 3	Z	2
The last course re	evises morphological topics covered earlier and extends the student's knowledge of more difficult language phenomena. It is especial	ally focused on style	istics and
	lexicology and on developing the student's writing skills.		

04XCESMZK	Czech for Intermediate Students Examination	ZK	4				
The course conter	t is the examination as given by the study plan. The examination consisting of a written and oral part covers all the topics of the CES	M1,2,3 courses an	id can only				
	be taken after successful completion of the 3 courses. Detailed information is to be obtained from the teacher.						
04XCESP1	Czech for Foreign Students - Advanced 1	Z	2				
	the course is very good knowledge of the Czech language, i.e., communicative competences at least at level B2 of the Common Europ						
It is focused partly on revision of standard language structures, but mainly on practising more complex grammatical structures typical of the style of science. Students are taught the basics of functional style of engineering and professional communication, both in spoken and written form. The topics include University Studies and Student Life. Written practice							
	includes communication, both in spoker and written form. The topics include of wersity of dates and t		i plactice				
04XCESP2	Czech for Foreigners - Advanced 2	Z	2				
	s the student's knowledge acquired in CESP1 and focuses on difficult language phenomena. It practises working with technical and	specialist texts place					
	emphasis on individual work.						
04XCESP3	Czech for Foreigners - Advanced 3	Z	2				
The course develop	is the student's knowledge from CESP2. It includes working with authentic specialist materials, their interpretation and presentation, in authentic specialist materials, their interpretation and presentation, in a student's present to be a student's pr	and, finally, present	tation of the				
04XCESPZK	student's project. Writing skills necessary for professional communication are trained. Czech for Foreign Students - Advanced Examination	ZK	4				
	t is the examination as given by the study plan. The examination consisting of a written and oral part covers all the topics of the CES	1 1	-				
	be taken after successful completion of the 3 courses. Detailed information is to be obtained from the teacher.		,				
04XCESZ1	Czech for Foreigners - Beginners 1	Z	2				
The course is desig	ned for students on the English programme. Students will become acquainted with the main characteristics of Czech (phonetic and g	rammar features) a	and they will				
	inguage and speaking skills. The course focuses on pronounciation exercises, simple social phrases, and oral and written communic						
communicative situ	ations. The course covers roughly lessons 1-5 in "Chcete mluvit esky" by H. Remediosová and E. echová. At the end of the course, A1 (CEFR) approximately.	the students will ha	ave reached				
04XCESZ2	Czech for Foreigners - Beginners 2	7	2				
	communication competences acquired in CESZ1 are further developed. Students extend their knowledge of Czech declension and co	njugation system a					
	frequent topics. The course covers roughly lessons 6-10 in "Chcete mluvit esky" by H. Remediosová and E. echová. At the end of						
	have reached A2 (CEFR) approximately.						
04XCESZ3	Czech for Foreigners - Beginners 3	Z	2				
	r develops the language and communication competences acquired in the XCESZ1 and XCESZ2 courses. The teaching focuses on		-				
	ion, deepening grammar, including grammar practice, and introducing Czech culture. Students are asked to produce simple texts and ey also practise understanding texts in terms of main ideas or looking for specific details in texts. The course covers roughly lessons						
04XCESZZK	Czech for Foreigners – Beginners - Examination	ZK	4				
	nt is the examination as given by the study plan. The examination consisting of a written and oral part covers all the topics of the 04X	1 1	-				
	only be taken after successful completion of all three courses. Detailed information is to be obtained from the teacher.						
04XFM1	French for Intermediate Students M1	Z	2				
	te FM The objective of this three-semester course is to improve and further develop communication in the French language in both v						
	mmunicate in social interaction and in academic, scientific and professional environment. They will be able to use the language to tra solve problems. FM1 The course builds on and further develops linguistic competence acquired at secondary school. It revises, syste	-					
	ious study. The following topics are covered: University studies in our country and in France, writing of transactional letters, CV, persoi						
	French culture and geography, Paris. Topics of specialization: mathematics, physics. Reading technical and popular science texts, wo						
04XFM2	French for Intermediate Students M2	Z	2				
Course FM2 builds	on FM1. Linguistic structures and competence acquired in previous study are systemized and expanded. Reading popular science text	ts, features typical f	or technical				
and scientific lan	guage (passives, nominalization, word formation). Topics: physics, power engineering, environment, Internet, success of French scie	nce and technology	y, French				
	scientists, artists and architects. Description of an object, device, shapes, dimensions, material.	7					
04XFM3	French for Intermediate Students M3 ed on improvement and further development of linguistic competence acquired during the follow-up courses. Syntactic structures (sub	Z Dordinate and infiniti	2 ive clauses				
	es, compound tenses). Text summaryStudents prepare a written paper which will be delivered in form of an oral presentation in-cla						
		field of students' future specialisation or to their interest and generally covers a technical /applied science topic. It is not a translation but a creative work compiled from French articles					
and one	for some her souther de la company de la	compiled from Fre	nch articles				
04XFMZK	's own knowledge/experienceLonger monologues on topics /situations set for the examination are prepared. Text structure, cohesi	-					
	French for Intermediate Students Examination	on and coherence.	4				
	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents of	on and coherence.	4				
The content is the	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well	on and coherence.	4 amination				
The content is the 04XFP1	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1	on and coherence. ZK f FM1-FM3. The ex b. Z	4 camination				
The content is the 04XFP1 FP advanced court	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well	ion and coherence. ZK f FM1-FM3. The ex b. Z en and oral form. St	4 camination 2 tudents will				
The content is the 04XFP1 FP advanced cour- be able to commun	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1 se The objective of this three-semester course is to improve and further develop communication in the French language in both written	ion and coherence. ZK f FM1-FM3. The ex b. Z en and oral form. St and technical infor	4 camination 2 tudents will rmation and				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the wel     French for Advanced Students P1 see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general     FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reper     parfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le	ion and coherence. ZK f FM1-FM3. The ex b. Z en and oral form. St I and technical infor ated and expanded etters, CV, personal	4 camination 2 tudents will rmation and I: subjonctif, statement,				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the wel     French for Advanced Students P1 see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general     FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reper     parfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le     an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics	ion and coherence. ZK f FM1-FM3. The ex b. Z and oral form. St I and technical infor ated and expanded atters, CV, personal of specialization: mi	4 camination 2 tudents will rmation and I: subjonctif, statement,				
The content is the 04XFP1 FP advanced cours be able to commun to solve problems. I passé composé-im request, answer to	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the wel     French for Advanced Students P1 see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general     FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reper     parfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le     an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics     internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation	ion and coherence. ZK if FM1-FM3. The ex b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: m n.	4 amination 2 tudents will rmation and I: subjonctif, statement, athematics,				
The content is the 04XFP1 FP advanced cours be able to commun to solve problems. If passé composé-im request, answer to 04XFP2	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the wel     French for Advanced Students P1 see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general     FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reper     parfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le     an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics     internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation     French for Advanced Students P2	ion and coherence. ZK if FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: min. Z	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2				
The content is the 04XFP1 FP advanced cours be able to commun to solve problems. If passé composé-im request, answer to 04XFP2	French for Intermediate Students Examination examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the wel     French for Advanced Students P1 see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general     FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reper     parfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le     an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics     internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation	ion and coherence. ZK if FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: min. Z	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2				
The content is the 04XFP1 FP advanced cours be able to commun to solve problems. If passé composé-im request, answer to 04XFP2	French for Intermediate Students Examination           examination as given by the study programme. The whole French programme is ended with an examination covering the contents of consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1           see The objective of this three-semester course is to improve and further develop communication in the French language in both writter is a social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional lean advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2	ion and coherence. ZK if FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: min. Z	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents of consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writted icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperpartait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional lean advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2         contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engineeral develops, and their use for communication in engineeral develops.	ion and coherence. ZK if FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: man. Z iven topics. Feature Z	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents of consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writted is a social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperpartait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation <b>French for Advanced Students P2</b> contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engristic competence, skills and knowledge, and their use for communication in engristic competence, skills and knowledge, and their use for communication in engristic competence, skills and knowledge, and their use for communication in engristic score and making or	ion and coherence. ZK if FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: man. Z iven topics. Feature Z	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation of	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents of consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writted icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperpartait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional lea an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2         Contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engreed technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanded Students P3	ion and coherence. ZK f FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded atters, CV, personal of specialization: man. Z iven topics. Feature gineering environme s a technical /applie	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science				
The content is the 04XFP1 FP advanced cour- be able to community to solve problems. If passé composé-im- request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation of 04XFPZK	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2         contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engres         shorter texts (both from and into the language). Writing of a paper and making oral presentation in-class. The paper generally cover topic. It is a creative work compiled from 3 French sources. Prepar	ion and coherence. ZK I FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded etters, CV, personal of specialization: main. Z iven topics. Feature gineering environm s a technical /applie ZK	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science 4				
The content is the 04XFP1 FP advanced cour- be able to community to solve problems. If passé composé-im- request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation of 04XFPZK	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents of consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writted icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperpartait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional lea an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2         Contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engreed technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanded Students P3	ion and coherence. ZK f FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded exters, CV, personal of specialization: main CV, personal of specialization: main CV, personal iven topics. Feature Z gineering environm s a technical /applie ZK and is organized ac	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science 4				
The content is the 04XFP1 FP advanced cour- be able to community to solve problems. If passé composé-im- request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation of 04XFPZK	French for Intermediate Students Examination         examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1         see The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general FP1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2         contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).         French for Advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engress of the advanced Students P3         ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engress shorter texts (both from and into t	ion and coherence. ZK f FM1-FM3. The ex- b. Z and oral form. St I and technical infor ated and expanded exters, CV, personal of specialization: main CV, personal of specialization: main CV, personal iven topics. Feature Z gineering environm s a technical /applie ZK and is organized ac	4 camination 2 tudents will rmation and l: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science 4				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im- request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation or 04XFPZK The whole French 04XFZ1	French for Intermediate Students Examination           examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well French for Advanced Students P1           se The objective of this three-semester course is to improve and further develop communication in the French language in both writted icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics or internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2           contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).           French for Advanced Students P3           ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in engits is put on reading popular science texts and on oral communication in engits is shorter texts (both from and into the language). Writing of a paper and making oral presentation in-class. The paper generally cover topic. It is a creative work comp	ion and coherence. ZK f FM1-FM3. The ex- b. Z and oral form. St and technical infor ated and expanded of specialization: ma- ters, CV, personal of specialization: ma- C, personal of specialization: ma- n. Z iven topics. Feature ZK and is organized ac ading. Z	4 camination 2 tudents will rmation and 1: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science 4 ccording to 2				
The content is the 04XFP1 FP advanced cour- be able to commun to solve problems. If passé composé-im- request, answer to a 04XFP2 With the link to P1 04XFP3 The course is focus skill - translation of 04XFPZK The whole French 04XFZ1 French for beginned The course include	French for Intermediate Students Examination           examination as given by the study programme. The whole French programme is ended with an examination covering the contents o consists of a written and oral part and is organized according to Examination Instructions, a document available on the well           French for Advanced Students P1           se The objective of this three-semester course is to improve and further develop communication in the French language in both writte icate in social interaction and in academic, scientific and work environment. They will be able to use the language to transmit general P1 The course builds on and further develops linguistic competence acquired at secondary school. Difficult grammar topics are reperparfait, pronouns. The following specific topics are covered: University studies in our country and in France, writing of transactional le an advert, environmental issues, success of French science and technology, chosen topics from French regional culture, Paris. Topics internet, physics, chemistry. Reading of technical and popular science texts, further work with these texts and interpretation French for Advanced Students P2           contents, the course further develops language skills. Focus is put on reading popular science texts and on oral communication on g technical and scientific communication are stressed (passive voice, nominalization, word formation).           French for Advanced Students P3           ed on systemization and improvement of acquired linguistic competence, skills and knowledge, and their use for communication in eng ishorter texts (both from and into the language). Writing of a paper and making oral presentation in-class. The paper generally cover topic. It is a creative work compiled from 3 French sources. Preparation of several set topics for oral ex	ion and coherence. ZK f FM1-FM3. The ex- b. Z and respective of the second of th	4 camination 2 tudents will rmation and 1: subjonctif, statement, athematics, 2 es typical of 2 ent. Special ed science 4 ccording to 2 essional life.				

(Francouzština pro za áte ky). It is extended with situations of communication and functions from the textbook Espaces I, lessons 1-4 : introductions, pe		0
giving the directions, simple instructions and questions. Special attention is paid to pronunciation. Spelling is explained in connection with pronu		
04XFZ2   French for Beginners Z2 The course is linking up with FZ1. Elementary linguistic knowledge and communication skills are expanded. The scope is given by lessons 8 - 13 of the	Z	2 Pravdová ·
French for Beginners . Additional topics and skills are filled in from the textbook Espaces I, lesson 1 - 5 (introductions, invitation, welcoming, agreeme		
thanking, travelling, map of France, food, expression of will, wish, order, prohibition, pleasure). Correct pronunciation is practiced. Stress on oral communic	•	
How does the machine work? A few expressions concerning the study. Name of University and Faculty.		
04XFZ3 French for Beginners Z3	Z	2
The course builts upon FZ2. Basic linguistic knowledge and skills are developed. The contents is given by lessons 14 - 18 of the textbook: Pravda - Pra		-
Topics, functions and situations are complemented from other materials. Stress is put on oral communication in dialogues and on reading, both for info	ormation and loud	as part of
pronunciation practice. Reading covers short adapted texts of general interest first, and later popular science texts.	Z	2
04XFZ4 French for Beginners Z4 The course builds up on FZ3. Basic linguistic knowledge and skills are further developed. Oral communication and reading skills are practiced. The cor	1 – 1	
lessons 19 - 23 of the textbook French for Beginners, and is expanded with topics and functions from other materials. Reading is developed from the lecture		
Students of FJFI. The course covers generals and specific topics: health- illness, sport, free time, environment, study, travelling in France, Paris, shopp	ing, weather, unive	rsity in our
country and in France, how to write CV, application, topics in mathematics, reading physics - mechanics, informatics, internet		
04XFZ5 French for Beginners Z5	Z	2
All four skills acquired in FZ4 are further developed, as well as technical language. Students prepare a paper on a chosen popular science topic. They pr general contents is covered by lessons 24 - 26 of the textbook: Pravda-Pravdova, French for Beginners, and is complemented from other materials. To		
notes, success of French science and technology, information about France. Grammar is systemized and complemented with syntax (subordinate cla		
subjunctive clauses, gerund, passive.		,
04XFZZK French for Beginners Examination	ZK	3
The content is the examination as given by the study plan. The course is terminated with an examination consisting of oral and written part. The examin	ation is ruled by the	e document
Instruction for examination. Its content covers the levels FZ1 - FZ5.		
04XNM1 German for Intermediate Students M1	Z	2
The objective of the course is to level off the students' skills in the German language. The course focuses on revision of more difficult phenomena and st word formation processes (e.g. importance of verb prefixes). In the lexical part, it covers topics referring to higher education in both the Czech Repu		-
environmental issues together with all necessary expressions and phrases, expressions and phrases needed to chemists, mathematicians, physicists		
terminology. It develops communication on related topics and is aimed at correct pronunciation, grammatical correctness and unders		
04XNM2 German for Intermediate Students M2	Z	2
The course introduces other more complex grammatical structures and their application in communication based on technical texts, such as the relation be	etween technology	and society,
the world at the beginning of the 21st century, linguistically more demanding texts on the environment, the language of mathematics, computers and other the second s		
practise reading for information and reading aloud, and appropriate language for various purposes in oral and written communication. The course systemati phenomena important for professional discourse (participles, relative clauses).	ically revises other g	grammatical
04XNM3 German for Intermediate Students M3	Z	2
The course introduces other more complex grammatical structures and their application in communication based on technical texts, such as the relation be	1 – 1	
the world at the beginning of the 21st century, linguistically more demanding texts on the environment, the language of mathematics, computers and		-
an ation and in facing and an diameter of and an analysis because for an income and in and and without an analysis time. The analysis the second and the second s		
practise reading for information and reading aloud, and appropriate language for various purposes in oral and written communication. The course systemati	ically revises other g	grammatical
phenomena important for professional discourse (participles, relative clauses).		
phenomena important for professional discourse (participles, relative clauses).           04XNMZK         German for Intermediate Students Examination	ZK	4
phenomena important for professional discourse (participles, relative clauses).           04XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of the study plan.	ZK consisting of two pa	4 arts - written
phenomena important for professional discourse (participles, relative clauses).           04XNMZK         German for Intermediate Students Examination	ZK consisting of two pa	4 arts - written
O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessment	ZK consisting of two pa	4 arts - written
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level	ZK consisting of two pa ent. More detailed i Z	4 Irts - written nformation 2 ning of the
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for determine)	ZK consisting of two pa ent. More detailed i Z lled off at the begin etail). It revises and	4 Ints - written Information 2 Ining of the d develops
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           O4XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice of the structures of th	ZK consisting of two pa ent. More detailed i Z lled off at the begin etail). It revises and	4 Ints - written Information 2 Ining of the d develops
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice., telephoning.	ZK consisting of two pa ent. More detailed i Z lled off at the begin letail). It revises and ctical everyday com	4 Ints - written Information 2 Ining of the d develops Imunication,
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessment is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practile., telephoning.           04XNP2         German for Advanced Students P2	ZK consisting of two pa ent. More detailed i Z lled off at the begin letail). It revises and ctical everyday com	4 arts - written nformation 2 ning of the d develops munication, 2
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice., telephoning.	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         letail). It revises and         ctical everyday com         Z         g their general and s	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessment is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending	ZK         consisting of two pa         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         letail). It revises and         ctical everyday com         Z         g their general and s         actising formal com	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessment is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practile.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and practicular y and more complex grammatical structures (i.e., subjunctive, indition of Advanced Students P3	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         letail). It revises and         ctical everyday com         Z         their general and s         actising formal com         rect speech).         Z	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practile., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and practicular power engineering. Increasing emphasis is placed on understanding and practicular power engineering. Increasing emphasis is placed on understanding and practicular power engineering. Increasing emphasis is placed on understanding and practicular power engineering. Increasing emphasis is placed on understanding and practicular power engineering. Increasing emphasis is placed on understanding and practicular pow	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         letail). It revises and         ctical everyday com         Z         their general and s         actising formal com         rect speech).         Z         ety of less common	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munication,
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on praviee., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending avocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pro-both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indi 04XNP3           04XNP3         German for Advanced Students P3           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         ietail). It revises and         ctical everyday com         Z         g their general and s         actising formal com         rect speech).         Z         ety of less common         abulary range in field	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munication, 2 subtechnical munication 2 subtechnical munication
phenomena important for professional discourse (participles, relative clauses).           04XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practi.e., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and practor both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indition written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indition texts of nuclear power engineering. Increasing emphasis is placed on understanding and practor both written and oral (CV, letter of ap	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         ietail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         ety of less common         abulary range in fiel         By means of a pre-	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 situations Ids such as sentation,
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on praviee., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending avocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pro-both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indi 04XNP3           04XNP3         German for Advanced Students P3           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         ietail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         ety of less common         abulary range in fiel         By means of a pre-	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 situations Ids such as sentation,
phenomena important for professional discourse (participles, relative clauses).           04XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading or do more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on praticip. texts and practising reading techniques (skimming, scanning, reading or do more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participles, structures) and it also focuses on praticiples, the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pratoth written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indicate problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the voce nuclear power engineering, the environment, co	ZK         consisting of two pa         ent. More detailed i         Z         Illed off at the begin         ietail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         ety of less common         abulary range in fiel         By means of a pre-	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 situations Ids such as sentation,
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice, telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pracboth written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indition of Advanced Students P3           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a varie (traffic problems and car accidents, accident report, filling in a	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Iled off at the begin         ietail). It revises and         ctical everyday com         Z         itheir general and s         actising formal comment         rect speech).         Z         etay of less common abulary range in fiel         By means of a pre-         course also includes         ZK         consisting of two parents	4 arts - written nformation 2 ning of the d develops munication, 2 aubtechnical munication, 2 a situations Ids such as sentation, s translation 4 rts - written
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participle structures) and it also focuses on practice.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and practice both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indi (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the voca nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are used	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Iled off at the begin         ietail). It revises and         ctical everyday com         Z         itheir general and s         actising formal comment         rect speech).         Z         etay of less common abulary range in fiel         By means of a pre-         course also includes         ZK         consisting of two parents	4 arts - written nformation 2 ning of the d develops munication, 2 aubtechnical munication, 2 a situations Ids such as sentation, s translation 4 rts - written
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participle structures) and it also focuses on practice less develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and proceouslary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and proceousles of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a varie (traffic problems and cara accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical and subtechnical expression set are used. students are used. Students are used. Students are used. Students are using a simplified oral form. The course	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         ety of less common abulary range in fiel         By means of a pre-         course also includes         ZK         consisting of two parent dispessment. More	4 arts - written nformation 2 ning of the d develops munication, 2 aubtechnical munication, 2 a situations Ids such as sentation, s translation 4 rts - written e detailed
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on pra- i.e., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pra- both written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indi (traffic problems and car accident report, filling in a form, complaints). Based on presentations and technical and subtechnical texts, the vocc nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional text	ZK         consisting of two parent. More detailed i         ent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         etay of less common abulary range in fiel         By means of a pre-         course also includes         ZK         consisting of two parent dissessment. More         Z         Z	4 arts - written nformation 2 ning of the d develops munication, 2 aubtechnical munication, 2 a situations Ids such as sentation, 5 translation 4 rts - written a detailed 2
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participle structures) and it also focuses on practice less develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and proceouslary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and proceousles of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a varie (traffic problems and cara accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical and subtechnical expression set are used. students are used. Students are used. Students are used. Students are using a simplified oral form. The course	ZK         consisting of two parent. More detailed i         Inded off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         gy means of a pre-         source also includes         ZK         consisting of two parents         d assessment. More         Z         (both printed and has	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 situations Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten),
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles participle structures) and it also focuses on part i.e., telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and protocol written and oral (CV, letter of application, interview, scholarship), and more complex grammatical structures (i.e., subjunctive, indi O4XNP3           German for Advanced Students P3           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a varie (traffic problems a	ZK         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comirect speech).         Z         gthey of less common abulary range in fiel         By means of a pre-         consisting of two parent assessment. More         ZK         (both printed and had the way and giving	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munications Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten), directions),
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practice. telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and pressoular or Advanced Students P3           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a vari (traffic problems and car accidents, accident report, filling in a form, complatins). Based on presentations and technical and subtechnical texts are used. students are trained to process information gain	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal com         rect speech).         Z         etay of less common         abulary range in fiel         By means of a pre-         consisting of two parents         d assessment. More         Z         (both printed and had         the way and giving         level of the RZ2 coole.	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 situations Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten), directions), urse. The
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination or and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on practise. The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and prabotily representations and car accidents, accident report, filling in a form, complaints). Based on presentations and technical and subtechnical text, the vocc nuclear power engineering, the environment, computer science, and car technology, will also be extended. Only authentic professional texts are used.           04XNP3         German for Advanced Students Examination           The course consists of 3 main parts (general communicative situations, grammar and technical topics). Students will de	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ety of less common         abulary range in fiel         By means of a pre-         consisting of two parent         d assessment. More         Z         (both printed and had         the way and giving         level of the RZ2 compose.         Z	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munications Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten), directions),
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           O4XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (asasive voice, participle structures) and it also focuses on pratie.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and procurse consists of 3 main parts (general communicative situations, grammar and technical lopics). Students will develop their vocabulary in a varie (traffic problems) and aracidents, accident report, lifting in a form, complaints). Based on presentations and technical and subtechnical texts, the vocc nuclear power engineering, the environment, computer science, and car technology, will also bexetended. Only authentic professional texts are used. <td>ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ethy of less common         abulary range in fiel         By means of a pre-         course also includes         ZK         onsisting of two parent         d assessment. More         Z         (both printed and had the way and giving         level of the RZ2 compose.         Z         e timetable.</td> <td>4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munication, 3 sentations Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten), directions), urse. The 2</td>	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ethy of less common         abulary range in fiel         By means of a pre-         course also includes         ZK         onsisting of two parent         d assessment. More         Z         (both printed and had the way and giving         level of the RZ2 compose.         Z         e timetable.	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munication, 3 sentations Ids such as sentation, 5 translation 4 rts - written e detailed 2 andwritten), directions), urse. The 2
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Exore is completed by an examination at and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           04XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (passive voice, participles, participle structures) and it also focuses on pratice. telephoning.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and text of nuclear power engineering. Increasing emphasis is placed on understanding and vocabulary, and good complex grammatical structures (i.e., subjunctive, indi C4XNP3           Determine consists of 3 main parts (general communicative situations, grammar and technical topics). Students will develop their vocabulary in a varif (traffic problems and car accidents, accident report, filling in a form, complaints). Based on presentit to the class in a simplified oral form. The course co	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ethy of less common         abulary range in fiel         By means of a pre-         course also includes         ZK         onsisting of two parent         d assessment. More         Z         (both printed and had the way and giving level of the RZ2 comple.         Z         Z         Z         Z         Z         Z         Z         Z         Z         Deter of the RZ2 completed of the RZ2	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munications Ids such as sentations Ids such as sentation, s translation 4 rts - written e detailed 2 andwritten), directions), urse. The 2
phenomena important for professional discourse (participles, relative clauses).           O4XNMZK         German for Intermediate Students Examination           The course content is the examination as given by the study plan. The whole German for Intermediate Students Course is completed by an examination of and oral, which cover the courses NM1 - NM3. The oral part follows after passing the written part successfully and after obtaining the 04NM3 assessme is to be obtained from the teacher.           O4XNP1         German for Advanced Students P1           This course requires good grammar knowledge, extended general vocabulary, and good communication skills acquired at secondary school to be level course. The course is then focused on working with technical and scientific texts and practising reading techniques (skimming, scanning, reading for d more difficult grammar structures necessary for understanding a subtechnical text (asasive voice, participle structures) and it also focuses on pratie.           04XNP2         German for Advanced Students P2           The course develops the students' skills in working with professional scientific texts (understanding, summarising, note-taking, interpreting) while extending vocabulary range. It introduces mathematical expressions and texts of nuclear power engineering. Increasing emphasis is placed on understanding and procurse consists of 3 main parts (general communicative situations, grammar and technical lopics). Students will develop their vocabulary in a varie (traffic problems) and aracidents, accident report, lifting in a form, complaints). Based on presentations and technical and subtechnical texts, the vocc nuclear power engineering, the environment, computer science, and car technology, will also bexetended. Only authentic professional texts are used. <td>ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ethy of less common         abulary range in fiel         By means of a pre-         course also includes         ZK         onsisting of two parent         d assessment. More         Z         (both printed and had the way and giving level of the RZ2 comple.         Z         Z         Z         Z         Z         Z         Z         Z         Z         Deter of the RZ2 completed of the RZ2</td> <td>4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munications Ids such as sentations Ids such as sentation, s translation 4 rts - written e detailed 2 andwritten), directions), urse. The 2</td>	ZK         consisting of two parent. More detailed i         consisting of two parent. More detailed i         Z         lled off at the begin         etail). It revises and         ctical everyday com         Z         g their general and s         actising formal comment         rect speech).         Z         ethy of less common         abulary range in fiel         By means of a pre-         course also includes         ZK         onsisting of two parent         d assessment. More         Z         (both printed and had the way and giving level of the RZ2 comple.         Z         Z         Z         Z         Z         Z         Z         Z         Z         Deter of the RZ2 completed of the RZ2	4 arts - written nformation 2 ning of the d develops munication, 2 subtechnical munication, 2 subtechnical munications Ids such as sentations Ids such as sentation, s translation 4 rts - written e detailed 2 andwritten), directions), urse. The 2

04XRMZK	Russian for Intermediate Students Examination	ZK	4
	t is the examination as given by the study plan. The course is completed by taking a written and oral examination testing the knowled	I I	
	lents are eligible for the oral examination only after a prior pass in RM3 and a successful written examination. Students are given inst	• ·	
04XRP1	Russian for Advanced Students P1	7	2
	uirement for the course is to achieve the B1 CEFR level. The objective of the course is revision of standard language structures, practice of the course is revision of standard language structures.	ticing more difficult	
	structures, understanding the fundamentals of technical language and training writing skills.	0	•
04XRP2	Russian for Advanced Students P2	Z	2
	sed on RP1. It expands grammatical structures important for understanding technical texts (verbal adjectives, participles, passives, ve	1 1	
	structures). Stress is put on independent oral and written communication.		
04XRP3	Russian for Advanced Students P3	Z	2
	ed on RP2 and is mainly focused on working with technical and scientific texts (reading comprehension, oral and written paraphrasin	g, translation). The F	RP1 - RP3
courses require go	od previous knowledge of general language at secondary level (listening, reading, correct communication in everyday situations). Th	e courses develop a	nd expand
these skills. Furthe	er study is aimed at professional and technical skills (reading technical literature according to the students' specialization, oral and w	ritten interpretation).	. Students
develop their subte	chnical vocabulary and practice quick and correct communication in professional situations. They will be able to both speak write acc	urately and with con	fidence on
	technical topics.		
04XRPZK	Russian for Advanced Students Examination	ZK	4
	nt is the examination as given by the study plan. The course is completed by taking a written and oral examination testing the knowled		
- RP3. Stud	lents are eligible for the oral examination only after a prior pass in RP3 and a successful written examination. Students are given inst	uctions by the teach	ner.
04XRZ1	Russian for Beginners Z1	Z	2
The course represe	ents the first stage of the five-semester programme, its final aim being reading and understanding professional texts written in Russiar	. Thus it begins with	mastering
the Russian alphat	bet (for both reading and writing skills) and fundamentals of grammar necessary for everyday communication (listening and speaking	). Students will be al	ble to read
	a short text with marked stress, understand its contents and summarize it.		
04XRZ2	Russian for Beginners Z2	Z	2
	ster of the programme is designed to teach skills for basic communication in everyday situations and for reading easy and short subt		
able to communica	te using short sentences and appropriate structures, and read aloud with confidence a short text without marked stress. They will als		bulary and
	master further grammatical structures. They will have mastered with confidence the Russian alphabet and will be able to use it in	writing.	
04XRZ3	Russian for Beginners Z3	Z	2
	d on RZ2 and includes further everyday topics, develops understanding of short compact texts on new subtechnical topics (for training		-
and listening) an	d introduces new grammar. Students will be trained to distinguish intonation patterns while listening to spoken language. They will be	able to respond so	as to be
	understood, and to express their opinion. Writing skills will be trained on guided writing tasks and note-taking.	. <u> </u>	
04XRZ4	Russian for Beginners Z4	Z	2
	d on RZ3. It improves and expands the knowledge of general language in all four skills (reading and understanding longer texts with a c		
	nunication in everyday situations, writing longer texts). Students are trained to use grammar structures effectively (e.g., irregular verbs		
	dality, imperatives, conditionals). They practice and develop communication skills for everyday situations (food, travelling, free time), a	-	
communication c	on more specific topics (environment, addictions, the green movement). They become acquainted with various geographical data (e.g	., Siberia), learn how	v to fill in
0.025	forms, look up the information from the timetable, learn about Russian holidays and typical meals.		
04XRZ5	Russian for Beginners Z5	Z	2
	s the student to have completed RZ4. It concentrates predominantly on reading skills (working with professional texts, i.e. understanding approximation of the product with a predominantly on reading student with a predominant student st		-
	specialized text) and speaking, and to a certain extent, writing about the professional information obtained by reading the texts. Comi Studying grammar is based on professional and technical texts and only includes items typically used in professional communication		
	ve voice). Students develop their technical and economic vocabulary, and are also trained in some professional skills (writing a CV, pr		ai licipies,
04XRZZK	Russian for Beginners Examination	ZK	3
-	t is the examination as given by the study plan. The course is completed by taking a written and oral examination testing the knowled		
	lents are eligible for the oral examination only after a prior pass in RZ5 and a successful written examination. Students are given insti		
04XSM1	Spanish for Intermediate Students M1	7	2
	igned for students whose competence is at level B1 of CEFR, i.e. those who studied Spanish in the secondary school. The 3-semes		
	ays attention to further grammar topics (e.g., perifrasis verbales, futuro imperfecto, direct object and indirect object pronouns, negativ		
	), to written and oral communication on a given everyday or easy subtechnical topic, for which the students are trained by reading te:	•	
04XSM2	Spanish for Intermediate Students M3	Z	2
	pps the students' knowledge from the previous course (SM1). Students are gradually acquainted with fundamentals of Spanish for sp		
	able to work with specialized texts on the Internet.		
04XSM3	Spanish for Intermediate Students M3	Z	2
	are supplemented with additional subtechnical materials, so the students will be gradually acquainted with the peculiarities of academ	I – I	
	Internet in Spanish and search for information of their specialization or field of interest. Students will use the information to write sho		
eneugh to dee the	final part of the programme, general Spanish course based on course books, covers presentations and, finally, a written and oral ex		
04XSMZK	Spanish for Intermediate Students Examination	ZK	4
	t is the examination as given by the study plan. SMZK examination consists of two parts - written and oral; to be eligible for the written p	I I	
	non-graded assessment for course SM3.Oral examination follows the written part.		
04XSP1	Spanish for Advanced Students P1	Z	2
	es on more difficult grammar topics, revision of vocabulary, basics of Spanish for specific purposes as well as written communication.	I – I	_
	of CEFR.	1	
04XSP2			
04/01/	Spanish for Advanced Students P2	Z	2
	Spanish for Advanced Students P2 second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta		
	Spanish for Advanced Students P2 second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication.		
Course SP2 is the	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication.		dependent
Course SP2 is the 04XSP3	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication. Spanish for Advanced Students P3	x and focuses on inc	dependent 2
Course SP2 is the 04XSP3	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication.	x and focuses on inc	dependent 2
Course SP2 is the 04XSP3 Course SP3 is the	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication. Spanish for Advanced Students P3 final part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is focu based on what students will need in their career.	x and focuses on inc Z	dependent 2
Course SP2 is the 04XSP3 Course SP3 is the 04XSPZK	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication. Spanish for Advanced Students P3 final part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is focu	x and focuses on inc Z Jused on written comr	dependent 2 munication 4
Course SP2 is the 04XSP3 Course SP3 is the 04XSPZK	second part of the advanced Spanish course, extending Spanish for specific purposes topics. It comprises more grammar and synta written communication. Spanish for Advanced Students P3 final part of the advanced Spanish course. It is based on texts chosen by the students according to their future specialization. It is focu based on what students will need in their career. Spanish for Advanced Students Examination	x and focuses on inc Z Jased on written comr ZK admission to oral par	dependent 2 munication 4

04XSZ1	Spanish for Beginners Z1	Z	2		
Course SZ1 is the first stage of the five-semester programme of Spanish studies; during the first stage the students will master phonetics and fundamental grammar structures and will					
be able to communicate at an elementary level on topics of everyday life. They will acquire and extend fundamental vocabulary of general Spanish and will develop it.					
04XSZ2	Spanish for Beginners Students Z2	Z	2		
Course SZ2 is base	ed on course SZ1, and expects students to develop and extend the knowledge and skills acquired so far. Grammar structures and lexis	will be chosen so a	is to enable		
them to understand	d short adapted written texts and speech. Attention is also paid to cultural differences between Spanish-speaking countries and other	s such as the Czec	h Republic.		
	Realia of Spanish-speaking countries are also included.				
04XSZ3	Spanish for Beginners Z3	Z	2		
	ed on course SZ2, and develops the student's vocabulary and grammar structure. The course covers realia (history and culture) of th		· · · ·		
mainly of Spain.	It pays attention to further grammar topics (pretérito perfecto, pretérito indefinido, pretérito imperfecto, the gerund and the imperative	). It includes writter	and oral		
	communication on a given general topic, for which the student is trained by reading texts or listening to them.		-		
04XSZ4	Spanish for Beginners Z4	Z	2		
	ed on course SZ3. It develops the student's vocabulary and extends the knowledge of the culture and social customs of the Spanish		-		
Spain. It pays atte	ntion to further grammar topics (perifrasis verbales, futuro imperfecto, direct object and indirect object pronouns, negative form of the	-	bjunctive),		
0.41/075	to written and oral communication on a given general or subtechnical topic, for which the student is trained by reading texts or listeni	-			
04XSZ5	Spanish for Beginners Z5	Z	2		
The course books	are supplemented with additional subtechnical materials, so the students will be gradually acquainted with peculiarities of Spanish for		. In its final		
0.41/0.771/	part, the general Spanish course based on the course book will end with presentations and, finally, a written and oral examina	I	0		
04XSZZK	Spanish for Beginners Examination	ZK	3		
I ne course cont	ent is the examination as given by the study plan. Examination consists of two parts - written and oral. Student can register for oral ex passed the written examination test.	amination only if ne	e/sne nas		
		7	0		
12UNXAP	Introduction to UNIX	Z	2		
-	pperating systems. Personal computer, workstation and supercomputers. Processor, memory, bus, devices, hard disk, network interfa				
	ting systems. Operating system UNIX. Basic principles, kernel, kernel services. Documentation. File system, file atributes, working wi reter (shell) bash and its programming (scripts). Controlling processes, process status, computer load a process priorities. Standard tr				
	nputer networks. Local computer networks. Global computer networks. Addresses and protocols TCP/IP. Network configuration of a c				
	hardware sharing, mail, scp, etc. Network applications		01110000.		
14TED	Creating Electronic Documents	7	2		
	tating and presenting student theses. Individual exercises focus on creating and formatting texts, equations, charts, tables, presentatio	ns and entire docu			
	Office suite.		nonto in un		
18PMTL	Programming in MATLAB	KZ	4		
	pervironment as efficient tool for computation in complex arrays and symbolic variables, namely for linear algebra, mathematic analy	I I	-		
	and geometric representation of results.	olo, olaliolioo, algoi	Laton		
18PRC1	Programming in C++ 1	Z	4		
	This course covers mainly the C programming language and non-object oriented features of the C++ language.	–			
18PRC2	Programming in C++ 2	KZ	4		
	ourse covers the object oriented programming and othesr advanced constructs in the C+;+ programming language and the Standard				
18PROP	Practical training in programming	KZ	3		
	course is to understand advanced topics related to programming, code design and software project development. Students will practic	·	-		
	ete real-world examples. Emphasis is put on the review of freely available software tools that can improve the programmer's work effi				
	of the final source code.	· · · <b>,</b> · · · · · · ·	5 1		
18ZALG	Basics of Algorithmization	Z,ZK	4		
	s devoted to selected algorithms and methods for algorithm design. This course intruduces selected methods for the determination of				
18ZPRO	Basics of Programming	Z	4		
	ntended mainly for students with little or no experience in programming. It familiarizes the students with the basic concepts in program				
	programming language.		,		
TV-1	Physical Education	Z	1		
TV-2	Physical Education	Z	1		
		Z			
TV-3	Physical education		1		
TV-4	Physical education	Z	1		

For updated information see <u>http://bilakniha.cvut.cz/en/FF.html</u> Generated: day 2024-05-19, time 23:53.