Study plan

Name of study plan: 16 80 85 00 DVES TVA 2012 P

Faculty/Institute/Others: Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Manufacturing and Economy in Mechanical Engineering Type of study: Bachelor full-time Required credits: 115 Elective courses credits: 66 Sum of credits in the plan: 181 Note on the plan: SP12DVES-MUSTR # SP12BVES-EKO-P # první pokus

Name of the block: Compulsory courses in the program Minimal number of credits of the block: 106 The role of the block: P

Code of the group: 12BVP4P Name of the group: 09 2012 BVES 4.sem prezen ní povinné Requirement credits in the group: In this group you have to gain 22 credits Requirement courses in the group: In this group you have to complete 5 courses Credits in the group: 22 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
2381075	Enterprise Management and Economics	Z,ZK	5	2P+2C	4	Р
2383102	Personnel Management	Z	2	2P+1C	*	Р
2342005	Quality Control Jan Podaný	KZ	2	1P+1C+1L	*	Ρ
2341014	Technology II. Pavel Novák	Z,ZK	5	2P+0C+2L	*	Ρ

Characteristics of the courses of this group of Study Plan: Code=12BVP4P Name=09 2012 BVES 4.sem prezen ní povinné

2381075	Enterprise Management and Economics	Z,ZK	5				
2383102	Personnel Management	Z	2				
Personnel / human resource management is concerned with the effective management of people at work. Subject examines what can or should be done to make people both more							
productive and more sat	productive and more satisfied with their working life. Its goal is to help develop more effective managers and staff specialists who work directly with the human resources of organizations						
2342005	Quality Control	KZ	2				
Basic quality control ter	ms, where is quality created, who is responsible for a quality. Basic statistical terms and distributions. Statistical methods: sta	tistical process co	ontrol, statistical				
sampling. Tools and me	thods for a quality assurance during product lifetime cycle. Standards 9 000 and 14 000, certification of quality control system	ns.					
2341014	Technology II.	Z,ZK	5				
mechanics of chip formation, cutting processes, finishing operations, non-traditional machining processes. Production rates calculation, machining economics. Automation of processes,							
programming of manufa	rogramming of manufacture. Engineering metrology. Assembly techniques. Introduction to process planing.						

Code of the group: 12BV*5P Name of the group: 12 2012 BVES 5.sem povinné Requirement credits in the group: In this group you have to gain 11 credits Requirement courses in the group: In this group you have to complete 3 courses Credits in the group: 11 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
2131519	Machine Elements for Technology Martin Dub, Eliška Cézová, Zden k ešpíro, Martin Havlí ek, Ji í Houkal, Jan Kanaval, František Lopot, Ond ej Što ek, Roman Uhlí František Lopot František Lopot (Gar.)	Z,ZK	5	2P+3C	*	Ρ
2381068	Cost Accounting Theodor Beran, Ladislav Vaniš Theodor Beran Theodor Beran (Gar.)	Z,ZK	5	2P+2C	*	Ρ
2141204	Introduction to Electrical Engineering for Technology Jan Chyský, Lubomír Musálek, Martin Novák Lubomír Musálek Jan Chyský (Gar.)	Z,ZK	4	2P+0C+2L	*	Р
2383001	Fundamentals of Law Václav Pilík Václav Pilík (Gar.)	Z	2	1P+1C	*	Ρ

Characteristics of the courses of this group of Study Plan: Code=12BV*5P Name=12 2012 BVES 5.sem povinné

2131519	Machine Elements for Technology	Z,ZK	5
2381068	Cost Accounting	Z,ZK	5
The subject presents	an introduction to the problems of value management as the enterprise on the whole and its parts - centres - by means of bud	geting (expected	cost), so the
individual achieveme	ts (intermediate products, products, services) - by means of preliminary costing (expected costs) and actual costing (actual cost	ts). Emphasis is la	id on the relation
of costs on the whole	- enterprise costs - to the costs of individual achievements and the understanding of the transformation from costs in the budg	eting and account	ting structure
(individual cost items	into the costing structure (direct and overhead costs), and fixed and variable costs. There are taught conventional and also mo	odern approaches	in costing. The
subject Cost Account	ing is connected directly with the subject Accounting and represents an introduction to the problems of cost allocation to separa	ate products, which	ch are compared
with the market price	and finding out as their profitability, so their acceptability or unacceptability manufacturing program.		
2141204	Introduction to Electrical Engineering for Technology	Z,ZK	4
-	Introduction to Electrical Engineering for Technology circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transistors		-
Elements of electrica		s, thyristors,opera	tion amplifiers.
Elements of electrica	circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transistors	s, thyristors,opera	tion amplifiers.
Elements of electrica Analogue and digital	circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transistors	s, thyristors,opera	tion amplifiers.
Elements of electrica Analogue and digital DC-machines 2383001	circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transistors circuits. AC el. curcuits. Electrical power and energy. Calculation, measurement, power factor. Transformer. Induction machines.	s, thyristors,opera Synchronous ma	tion amplifiers. chines. 2
Elements of electrica Analogue and digital DC-machines 2383001 Basic orientation in le	circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transistors circuits. AC el. curcuits. Electrical power and energy. Calculation, measurement, power factor. Transformer. Induction machines.	s, thyristors,opera Synchronous ma Z ovide a view into t	tion amplifiers. chines. 2 he Czech Legal
Elements of electrica Analogue and digital DC-machines 2383001 Basic orientation in le Order, particular sour	circuits, analysis of electrical circuits as DC and AC. EI. Power and Energy. Principle and typical parameters diodes, transistors circuits. AC el. curcuits. Electrical power and energy. Calculation, measurement, power factor. Transformer. Induction machines. Fundamentals of Law gal system is a necessary part of professional equipment of each expert with university degree. The aim of this course is to pro-	s, thyristors,opera Synchronous ma Z ovide a view into t is necessary for s	tion amplifiers. chines. 2 he Czech Legal tudents to know
Elements of electrica Analogue and digital DC-machines 2383001 Basic orientation in le Order, particular sour our legal institutions,	circuits, analysis of electrical circuits as DC and AC. EI. Power and Energy. Principle and typical parameters diodes, transistors circuits. AC el. curcuits. Electrical power and energy. Calculation, measurement, power factor. Transformer. Induction machines. Fundamentals of Law gal system is a necessary part of professional equipment of each expert with university degree. The aim of this course is to pro ces of law and system of law (branch of law), using tutorials, lectures, specialised literature and significant legal regulations. It is	s, thyristors,opera Synchronous ma Z ovide a view into t is necessary for s ws. At the same tin	tion amplifiers. chines. 2 he Czech Legal tudents to know ne the course

Code of the group: 12BV*5P-TVA Name of the group: 14 2012 BVES 5.sem zam TVA povinné Requirement credits in the group: In this group you have to gain 17 credits Requirement courses in the group: In this group you have to complete 4 courses Credits in the group: 17

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
2332038	Surface Treatment Technology Viktor Kreibich, Ji í Kucha Ji í Kucha Viktor Kreibich (Gar.)	KZ	4	1P+2C	*	Р
2331505	Welding Technology Ladislav Kola ík, Marie Kola íková, Pavel Rohan Ladislav Kola ík Ladislav Kola ík (Gar.)	Z,ZK	4	2P+1C	*	Ρ
2322041	Heat treatment Jana Sobotová, Martin Ku ík Jana Sobotová Jana Sobotová (Gar.)	KZ	4	2P+1C	*	Ρ

Characteristics of the courses of this group of Study Plan: Code=12BV*5P-TVA Name=14 2012 BVES 5.sem zam TVA povinné

2332038	Surface Treatment Technology	KZ	4						
TPU The course is an in	TPU The course is an introduction to the topic of finishes (meaning and objectives of the field). They are introduced to the basics of corrosion distribution and its species. TPU focuse								
on corrosion protection	on corrosion protection in engineering and other industries. Are reconstructed surface preparation processes (mechanical, chemical). Among the discussed technologies finishes include								
coating technologies (su	ich as electroplating, zinc plating) technology conversion layers, further application of organic coatings. An important issue is also	o ecological aspec	ts, Technological						
design and testing in th	e field of surface treatment.								
2331505	Welding Technology	Z,ZK	4						
2322041	Heat treatment	KZ	4						
Theoretical fundamenta	Theoretical fundamentals of heat treatment, basic processes of heat and chemical-heat treatment of ferrous and non-ferrous metals, excursion focused on the given topic								

Code of the group: 12BV*6P Name of the group: 15 2012 BVES 6.sem povinné Requirement credits in the group: In this group you have to gain 9 credits Requirement courses in the group: In this group you have to complete 2 courses Credits in the group: 9 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
2331071	Automation of Production Processes Viktor Kreibich, Ji í Kucha, Ladislav Kola ík, Jaroslav ervený, Aleš Herman, Vít Novák, František Tatí ek Aleš Herman Aleš Herman (Gar.)	Z,ZK	5	3P+2C	*	Р
2381098	Enterprise Finance František Freiberg František Freiberg František Freiberg (Gar.)	Z,ZK	4	2P+2C	*	Ρ
2382048	Statistical and Decision Analysis Barbora Stieberová Barbora Stieberová (Gar.)	KZ	4	2P+1C	*	Р

Characteristics of the courses of this group of Study Plan: Code=12BV*6P Name=15 2012 BVES 6.sem povinné

2331071 Automation of Production Processes

Enterprise Finance

Automation of basic technological processes - casting, welding, forming and finishing. Facilities and equipment required to automate offices. Mechanization and automation in iron and steel foundries. Automation and robotics of die casting process, including other peripherals. Designing and programming of robotic welding centers. Designing and programming of robotic workstations for sheet metal forming. Design of automated forging cells. Design of automated finishing lines.

Z,ZK 4

Z.ZK

5

4

The subject Financing of the Enterprise provides a broad-based introduction to financial management. Students have an opportunity to acquire an understanding of the main con-cepts and their practical application in decision-making. Students gain knowledge of financial management role within a business, financial ratios, nature and purpose of projected finan-cial statements and their role in the development of future plans for a business and in the assessing the impact of management decision on the performance and position of a business, factors which must be taken into account when managing the working capital of a business, various aspects of financing the business through external and internal sources of finance available to a business, ways how business can make decision and evaluation involv-ing investments in new technology, and various aspects of mergers and takeovers.

2382048 Statistical and Decision Analysis KZ

Statistical analysis is a good basis for a creation of decision-making models. The goal of this subject is to teach students to apply the selected statistical method, to apply models of decision analysis, to create models for the management of industrial enterprises.

Code of the group: 12BVP6P-TVA

Name of the group: 16 2012 BVES 6.sem zam TVA prez povinné Requirement credits in the group: In this group you have to gain 22 credits

Requirement courses in the group: In this group you have to complete 5 courses

Credits in the group: 22

Note on the group:

2381098

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
2333993	Bachelor Thesis Viktor Kreibich, Ji í Kucha, Ladislav Kola ík, Marie Kola íková, Pavel Rohan, Jaroslav ervený, Aleš Herman, František Tatí ek, Jan Suchánek, Ladislav Kola ík Aleš Herman (Gar.)	Z	5	0P+6C	*	Ρ
2332056	Preparations and Tools František Tatí ek	KZ	3	0P+3C	*	Ρ
2331065	Design Consideration Bohumír Bedná	Z,ZK	5	3P+1C	*	Ρ
2331506	Casting and Forming Technology Aleš Herman, František Tatí ek František Tatí ek Aleš Herman (Gar.)	Z,ZK	5	3P+2C	*	Ρ

Characteristics of the courses of this group of Study Plan: Code=12BVP6P-TVA Name=16 2012 BVES 6.sem zam TVA prez povinné

2333993	Bachelor Thesis	Z	5					
2332056	Preparations and Tools	KZ	3					
Principles of selection of	Principles of selection of the manufacturing method for semi-finished products. Production planning and production processes in the foundry. Production processes for forgings							
Accuracy, stock materia	Accuracy, stock material, utilized equipment. Production processes for stampings. Manufacturing of stampings, presses and equipment. Production processes for weldments. Operationa							
sequence, filler materia	ls, equipment. Plastic mouldings. Individual projects for production of a casting, forging or a stamping.							
2331065	Design Consideration	Z,ZK	5					
Relations between desi	gn, production technique and economic aspects. Design considerations in casting, forming, welding, machining and assembl	ly techniques. Bas	is for material					
and production technolo	bgy selection. Component detailing for manufacture. CNC basis and using CNC.							
2331506	Casting and Forming Technology	Z,ZK	5					
Principles of selection of	the manufacturing method for semi-finished products. Production planning and production processes in the foundry. Productio	n processes for for	gings, extrusion.					
Accuracy, stock material, utilized equipment. Production processes for stampings. Manufacturing of stampings, presses and equipment. Plastic mouldings. Individual projects for								
production of a casting, forging or a stamping.								

Code of the group: 12DVP1P-KMEN Name of the group: 00 2012 D kmenové 1. semestr VES prezen ní Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group: 12B**1P-KMEN #

Page 3 out of 17

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
2182019	Chemistry Radek Šulc, Martin Dostál, Vojt ch B lohlav, Stanislav Solna, Jan Sko ilas Radek Šulc Radek Šulc (Gar.)	КZ	3	2P+1C	1	Ρ
2011021	Constructive Geometry Ivana Linkeová	Z,ZK	6	3P+2C	*	Ρ
2383008	Managerial Psychology	Z	2	1P+1C	*	Р
2011056	Mathematics I Radka Keslerová, Marta Hlavová, Ji í Holman, Gejza Dohnal, Marta ertíková, Vladimír Hric, Nikola Pajerová, Petr Louda, Lukáš Hájek, Radka Keslerová Gejza Dohnal (Gar.)	Z,ZK	8	4P+4C	*	Ρ
2372041	Computer Support for Study	KZ	3	1P+1C	*	Р
2132001	Engineering Design I. Karel Petr	KZ	2	1P+2C	1	Р
2131005	History of Technology	ZK	3	2P+0C	1	Р
2182019 General chemistry from t phase equilibrium, chemi	the courses of this group of Study Plan: Code=12DVP1P-KMEN Na Chemistry he point of view of mechanical and process engineering. Physical chemistry forms 2/3 of ical reactions, reaction engineering), the remaining 1/3 is devoted to organic chemistry (h al properties measurement.	the course (struct	ure and pro	perties of m	KZ atter, thermody	3 /namics,
2011021	Constructive Geometry			2	Z,ZK	6
	n geometric objects in the space - curves, surfaces and solids and their properties and m	utual relations.				
2383008	Managerial Psychology				Z	2
2011056	Mathematics I			Z	Z,ZK	8
will also get to know the p	nphasis is placed on the theoretical basis of the concepts discussed and on the derivation rocedures for solving problems with parametric input. In addition, students will gain extender mial, integral as a limit function, integration of some special functions.		•			
	Computer Support for Study				KZ	3

The course introduces students into creating technical and professional documents on computers or Web and into realizing technical computations with the use of computers. Students

Development of human knowledge in the domain of science and technology in the retrospective of the development of our civilization. Emphasis is given upon new branches of

ΚZ

ΖK

2

3

gain practical skills by creating an essay in a text editor, by realizing technical computations with a spreadsheet calculator, and by creating technical-based WWW page.

Lechnology with special attention to the contribution of mining, iron metallurgy, power engineering, transportation and of the machine industry in the narrower sense of the word. Code of the group: 12DVP2P-KMEN Name of the group: 00 2012 D kmenové 2. semestr VES prezen ní

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

Engineering Design I.

History of Technology

Basic of technical representation, dimensioning and tolerancing

Requirement courses in the group: In this group you have to complete 5 courses Credits in the group: 25

Noto on the group.

2132001

2131005

Note on the group: 12B**2P-KMEN # Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their Code Completion Credits Scope Semester Role members) Tutors, authors and guarantors (gar.) 2021041 Z,ZK 7 4P+1L * Physics I. Ρ Matematika II. * 2011062 4P+4C Z,ZK 8 Ρ Radka Keslerová Materials Science I. Jana Sobotová, Jakub Horník, Ji í Cejp, Elena ižmárová, Pavlína Hájková, 2322029 ΚZ 3 2P+1L 2 Р Stanislav Krum, Jan Kr il, Vladimír Mára, Lucie Pilsová, Jana Sobotová Jana Sobotová (Gar.) Computer Graphics * 2012037 ΚZ 3 1P+1C Marta Hlavová, Ji í Holman, Nikola Pajerová, Martin Hanek, Jan Karel, Ivana Р Linkeová, Jaroslav Cibulka Ivana Linkeová Surface Treatment 7 1P+1C * 2333017 3 Р Jan Kudlá ek **Engineering Design II** Z.ZK 2131002 4 2P+3C 2 Р Martin Dub, Martin Havlí ek, Jan Kanaval, Jan Flek, Karel Petr, Marek Štádler, Jan Hoidekr Karel Petr Karel Petr (Gar.) Fundamentals of Technology I. * 2333038 Ζ 3 1P+1C Ρ Marie Kola íková

Characteristics of the courses of this group of Study Plan: Code=12DVP2P-KMEN Name=00 2012 D kmenové 2. semestr VES prezen ní

2021041 P	hysics I.			Z	Z,ZK	7
-	of a particle motion. Principle of conservation of energy. System of particles, centre of ma					
	emperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, co					
, i i i i i i i i i i i i i i i i i i i	Magnetic materials. Laboratories - accuracy of measurements, systematic and random e	errors, uncertainty	of direct and	d indirect m	easurements	, regression,
	us experiments related to the lectures.					
	fatematika II. adar in Edu Baal function of knowinghas, Partial derivatives and differentiability. Cradies	t and directional a	larivativa Di	1	Z,ZK	8
	ndary in E^k. Real function of k-variables. Partial derivatives and differentiability. Gradier n given implicitly. Local and global (= absolute) extremes of a function of more variables. Do					
	rical and spherical coordinates. A simple smooth curve and line integral of a scalar and	-		-		
	ne integral on the path. Simple smooth surface and surface integral of a scalar function a				•	
Gauss-Ostrogradskij theor						
2322029 N	laterials Science I.				KZ	3
	of materials engineering, overview of technical materials, internal structure of metals, cr	ystal lattices and t	heir defects,	deformatio	n, recrystalliz	zation and
fracture of materials, struc	ture and properties of materials and their testing, fundamentals of thermodynamics, pha	ases and phase tra	ansformation	is, iron-cart	on phase dia	agram.
2012037 C	Computer Graphics				KZ	3
2333017 S	Surface Treatment				Z	3
Introduction to the surface	treatments - branch signification and objects. Principles of corrosion, types and corrosid	on distribution. And	icorrosive pr	evention in	manufacturin	ng, method
anticorrosive prevention. C	corrosion testing. Surface pre-treatment. Converse coatings, enamels. Inorganic coatings	s, electroplating, h	ot-dip galvar	nizing. Orga	nic coatings.	Ecological
aspects of surface treatme	nts.					
1 1	ngineering Design II			1	Z,ZK	4
	ometrical Products Specification). Students will get critical knowledge about ISO system					
	cing of angles and cones, tolerancing of threads. Integral part of course is a project whe	ere students apply	and practice	their know	-	
	undamentals of Technology I.				Z	3
	ngineering production. Technology of engineering production. Materials in engineering. (-				
•	beling devices, molding materials, molding and castings. Foundry alloys. Overview of ba	•	0,	•		
	ling. Production of pipes. Bulk and sheet metal forming. Welding technology. The charac ith coated electrodes. Thermal cutting.	tensucs of the var	ious types of	weiding. F	usion weiding	j. Flame
weiding and are weiding w	in oblica ciconolico. mermai outling.					
Code of the grou	up: 12DVP3P-KMEN					
Name of the gro	up: 00 2012 D kmenové 3. semestr redukované pro	VES prez	en ní			
_	edits in the group:					
Requirement co	urses in the group:					
Credits in the gr	oup: 0					
Note on the grou		MEN-R #				
<u> </u>	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their	Completion	Credite	Scone	Semeste	r Role
	members)		Cicuito	20066	Comeste	
	Tutors, authors and guarantors (gar.)					
2021025	Diversion II	774		10,01	2	

	Tutors, authors and guarantors (gar.)					
2021025	Physics II.	Z,ZK	4	1P+2L	3	Р
2011009	Mathematics III Radka Keslerová, Ji í Holman, Gejza Dohnal, Marta ertíková, Vladimír Hric, Jan Valášek, Lud k Beneš, Tomáš Bodnár, Tomáš Neustupa, Stanislav Kra mar Stanislav Kra mar (Gar.)	Z,ZK	5	2P+2C	*	Ρ
2311004	Mechanics for Technology	Z,ZK	7	4P+2C	*	Р
2321039	Materials Science II. Jana Sobotová, Martin Ku ík, Jakub Horník, Ji í Cejp, Elena ižmárová, Jan Walter, Pavlína Hájková, Stanislav Krum, Jan Kr il, Stanislav Krum Jana Sobotová (Gar.)	Z,ZK	4	2P+2L	*	Ρ
2331068	Technology I. Jan Kudlá ek	Z,ZK	5	2P+2C	*	Р
2121023	Thermodynamics	Z,ZK	5	3P+2C	*	Р

Characteristics of the courses of this group of Study Plan: Code=12DVP3P-KMEN Name=00 2012 D kmenové 3. semestr redukované pro VES prezen ní

2021025	Physics II.	Z,ZK	4				
Faraday's law of electromagnetic induction. Maxwell's equations, electromagnetic waves. Light, wave optics, geometrical optics. Quantum properties of electromagnetic waves. Interaction							
of radiation with matter.	Photoelectric effect. Wave-particle mature of matter. Quantum-mechanical description of particle's motion. Hydrogen atom a	nd periodic syster	n of elements.				
Spectra, x-rays, ;laser.	Band theory of solids, semiconductors. Nucleus, radioactivity, sources of nuclear energy. Laboratories - measurements of 6 e	xperiments related	d to the lectures.				
2011009	Mathematics III	Z,ZK	5				
An introductory course	in ordinary differential equation and infinite series.						
2311004	Mechanics for Technology	Z,ZK	7				
2321039	Materials Science II.	Z,ZK	4				
Fundamentals of metallurgy, iron-carbon alloys and influence of other elements, phase transformations, thermal, combined chemical and thermal and thermo-mechanical processing,							
technical iron-carbon alloys, non-ferrous metals and their alloys, plastics, structural ceramics, composites, selection of materials.							
2331068	Technology I.	Z,ZK	5				
Foundry properties of metals. Treatment. Pouring. Casting solidification. Moulding and core making. Thermal treatment. Plastic deformation. Division of forming processes. Semi-products,							
heating-up. Cutting. Col	eating-up. Cutting. Cold and hot forming. Welds. Weldability. Weldment testing. Thermal cutting. Brazing. Surface treatments.						

2121023	Thermodynamics	Z,ZK	5
The course deal with a l	ossic engineering approach to classical thermodynamics, heat transfer and compressible flow through nozzles and diffusers.	Basic concepts a	nd principles are
introduced, and they are	applied mostly to systems behaving as ideal gases or typical vapours. Basic notions associated with ideal mixtures are studied w	rith an emphasis o	n psychometrics.
Heat transfer covers fur	damentals of conduction, convection and radiation. Heat exchangers are treated as an engineering application.Exercises an	d labs are devote	d to practical
problems and experime	ntal technique.		

Name of the block: Compulsory elective courses Minimal number of credits of the block: 9 The role of the block: PV

Code of the group: 12BV*4Q-BZJ VES Name of the group: 11 2012 bakalá ské zkoušky z jazyk pro VES Requirement credits in the group: In this group you have to gain at least 2 credits (at most 10) Requirement courses in the group: In this group you have to complete at least 1 course (at most 5) Credits in the group: 2

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
2041061	English-Bachelor Exam Michele Le Blanc, Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Nina Procházková Ayyub	Z,ZK	2	0P+2C	*	PV
2041063	French - Bachelor Exam /FME Michaela Schusová, Dušana Jirovská Eliška Vítková Eliška Vítková (Gar.)	Z,ZK	2	0P+2C	*	PV
2041062	German - Bachelor Exam / FME Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Jaroslava Kommová	Z,ZK	2	0P+2C	*	PV
2041065	Russian - Bachelor Exam / FME Eliška Vítková, Michaela Schusová, Hana Volejníková, Dušana Jirovská Eliška Vítková	Z,ZK	2	0P+2C	*	PV
2041064	Spanish - Bachelor Exam / FME Eliška Vítková, Michaela Schusová, Jaime Andrés Villagómez Eliška Vítková	Z,ZK	2	0P+2C	*	PV

Characteristics of the courses of this group of Study Plan: Code=12BV*4Q-BZJ VES Name=11 2012 bakalá ské zkoušky z jazyk pro VES

VES			
2041061	English-Bachelor Exam	Z,ZK	2
Mapped to the Com	non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater diff	iculties, to take pa	rt in discussions,
to write a summary,	a report and an essay, to read technical texts, to master grammar at advanced level.		
2041063	French - Bachelor Exam /FME	Z,ZK	2
Mapped to the Com	non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater diff	iculties, to take pa	rt in discussions,
to write a summary,	a report and an essay, to read technical texts, to master grammar at advanced level.		
2041062	German - Bachelor Exam / FME	Z,ZK	2
Mapped to the Com	non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater diff	iculties, to take pa	rt in discussions,
to write a summary,	a report and an essay, to read technical texts, to master grammar at advanced level.		
2041065	Russian - Bachelor Exam / FME	Z,ZK	2
Mapped to the Com	non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater diff	iculties, to take pa	rt in discussions,
to write a summary,	a report and an essay, to read technical texts, to master grammar at advanced level.		
2041064	Spanish - Bachelor Exam / FME	Z,ZK	2
Mapped to the Com	non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater diff	iculties, to take pa	rt in discussions,
to write a summary,	a report and an essay, to read technical texts, to master grammar at advanced level.		

Code of the group: 12BV*4Q-ZAM

Name of the group: 10 2012 BVES 4.sem zam 1povvol

Requirement credits in the group: In this group you have to gain at least 5 credits (at most 10) Requirement courses in the group: In this group you have to complete at least 1 course (at most 2) Credits in the group: 5

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
2321067	Technical Application of Materials Stanislav Krum	Z,ZK	5	3P+1C	*	PV
2381002	Fundamentals of Economics Theodor Beran Theodor Beran (Gar.)	Z,ZK	5	2P+2C	*	PV

Characteristics of the courses of this group of Study Plan: Code=12BV*4Q-ZAM Name=10 2012 BVES 4.sem zam 1povvol

2321067Technical Application of MaterialsZ,K5P edm t popisuje aplikovatelnost jednotlivých skupin inženýrských materiál a jejich odpovídající vlastnosti. Rovn ž se v nuje aktuálním vývojovým trend m t chto skupin. The subject
describes applicability of specific engineering material types and their characteristics. It deals with the current development trends in these materials as well.52381002Fundamentals of EconomicsZ,ZK5The course is focused on the following subjects: basic economic relations and consequences. Economic aggregates and their consequences. Operating of the economics according5

Code of the group: 12BV*5Q-OP

Name of the group: 13 2012 BVES 5.sem 1povvol oborové projekty

Requirement credits in the group: In this group you have to gain at least 2 credits (at most 8)

to so called macroekonomic circle, various economic theories. Consumption behaviour in microeconomics. Theory of production. Different markets and competitions.

Requirement courses in the group: In this group you have to complete at least 1 course (at most 4) Credits in the group: 2

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
2322091	Project Jana Sobotová, Jakub Horník, Ji í Cejp, Elena ižmárová, Pavlína Hájková, Stanislav Krum, Jan Kr il, Vladimír Mára, Jakub Horváth, Stanislav Krum	κz	2	0P+2C	*	PV
2382091	Specialization Project Ladislav Vaniš, Barbora Stieberová, Vladimír Brdek František Freiberg	KZ	2	0P+2C	*	PV
2332091	Project Viktor Kreibich, Ji í Kucha, Ladislav Kola ík, Marie Kola íková, Pavel Rohan, Tomáš Gur ík, Jaroslav ervený, Aleš Herman, František Tatí ek, Ladislav Kola ík Aleš Herman (Gar.)	κz	2	0P+2C	*	PV
2342091	Project Vladislav Andronov, Libor Beránek, František Holešovský, Tomáš Kellner, Michal Koptiš, Ji í Kyncl, Martin Kyncl, Jan Mádl, Petr Mikeš, Pavel Novák	κz	2	0P+2C	*	PV

Characteristics of the courses of this group of Study Plan: Code=12BV*5Q-OP Name=13 2012 BVES 5.sem 1povvol oborové projekty

2322091	Project	KZ	2					
On the basis of the prel	On the basis of the preliminary submission of a bachelor thesis the students, under supervision of their supervisors, prepare a review summarizing and evaluating the studied literature							
with particular emphasi	with particular emphasis on experimental technologies which can be applied in their bachelor theses. They can also mention a planned experiment or evaluate hitherto obtained							
knowledge or results.	knowledge or results.							
2382091	Specialization Project	KZ	2					
2332091	Project	KZ	2					
2342091	Project	KZ	2					
Work on specialized tas	Work on specialized tasks.							

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

Code of the group: 12BV**V-ALFA Name of the group: 02 2012 ALFA volitelné pro VES 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
202A041	Physics I.	ZK	3	0P+0L	*	V
201A021	Constructive Geometry A Ivana Linkeová	ZK	3	0P+0C	*	V
201A056	Mathematics I.A Radka Keslerová	ZK	4	0P+0C	*	V
201A062	Mathematics II.A Radka Keslerová	ZK	4	0P+0C	*	V

Characteristics of the courses of this group of Study Plan: Code=12BV**V-ALFA Name=02 2012 ALFA volitelné pro VES

202A041	Physics I.	ZK	3
Kinematics and dynamic	cs of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic	properties of bod	lies. Oscillations,
waves. Fluid mechanics	. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Co	nductors, semicor	nductors,
insulators. Magnetic fiel	d. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and inc	lirect measureme	nts, regression,
measurements of 11 va	rious experiments related to the lectures.		
201A021	Constructive Geometry A	ZK	3
The subject is focused of	on geometric objects in the space - curves, surfaces and solids and their properties and mutual relations.	·	
201A056	Mathematics I.A	ZK	4
Introduction to linear alg	ebra, analytic geometry of straight lines and planes in E3, calculus of functions of one variable		
201A062	Mathematics II.A	ZK	4
Open and closed set, be	oundary in E^k. Real function of k-variables. Partial derivatives and differentiability. Gradient and directional derivative. Differentiability.	ntial operators div	v (divergence)
and curl (rotation). Funct	ion given implicitly. Local and global (= absolute) extremes of a function of more variables. Double integral, volume (=triple) integ	ral, Fubini theorem	n. Transformation

of integrals to polar, cylindrical and spherical coordinates. A simple smooth curve and line integral of a scalar and vector function. Circulation and Green's theorem. A potential vector field, independence of a line integral on the path. Simple smooth surface and surface integral of a scalar function and a vector function. Flow of a vector field through a surface. The Gauss-Ostrogradskij theorem.

Code of the group: 12B**1V-DOP SEMI

Name of the group: 05 2012 doporu ené seminá e

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0

Note on the group:

Pokud si chce student své dosud získané znalosti (například z matematiky, fyziky, cizích jazyků atd.) doplnit, může si zapsat některý z volitelných předmětů, které příslušné ústavy pro 1. semestr (zimní) vypisují. Doporučujeme zejména předměty uvedené v této skupině

				pinto		
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
2026016	Physics - Seminar	Z	2	0P+2C	1	V
2016007	Mathematics I Seminar Radka Keslerová, Olga Majlingová Radka Keslerová	Z	2	0P+2C	1	V

Characteristics of the courses of this group of Study Plan: Code=12B**1V-DOP SEMI Name=05 2012 doporu ené seminá e

The subject is mainly meant for high-school students for repetition of high-school physics. 2016007 Mathematics I Seminar Z 2	2026016	Physics - Seminar	Z	2		
2016007 Mathematics I Seminar Z 2	The subject is mainly meant for high-school students for repetition of high-school physics.					
	2016007	Mathematics I Seminar	Z	2		

Code of the group: 12B**1V-DOP ZJK

Name of the group: 06 2012 doporu ené základní jazykové kurzy a prezentace

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0

Note on the group:

Note on the gr						
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
2046155	English Conversation Michele Le Blanc, Eliška Vítková, Ilona Šimice, Nina Procházková Ayyub Nina Procházková Ayyub Michele Le Blanc (Gar.)	Z	2	0P+2C	*	V
2046156	English Conversation Michele Le Blanc, Eliška Vítková, Ilona Šimice, Nina Procházková Ayyub Nina Procházková Ayyub	Z	2	0P+2C	L	V
2046071	English - Lower Intermediate Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová	Z	2	0P+2C	L	V
2046070	English - Lower Intermediate Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Michaela Schusová Ilona Šimice (Gar.)	Z	2	0P+2C	Z	V
2046074	English - Advanced Michele Le Blanc, Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Michaela Schusová Ilona Šimice (Gar.)	Z	2	0P+2C	Z	V
2046075	English - Advanced Michele Le Blanc, Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Ilona Šimice	Z	2	0P+2C	L	V

2046072	English - Upper Intermediate Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Michaela Schusová Ilona Šimice (Gar.)	Z	2	0P+2C	Z	V
2046073	English - Upper Intermediate Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Ilona Šimice	Z	2	0P+2C	L	V
2046068	English - Beginners Eliška Vítková, Michaela Schusová, Ilona Šimice, Hana Volejníková, Veronika Kratochvílová Michaela Schusová Ilona Šimice (Gar.)	Z	2	0P+2C	z	v
2046069	English - Beginners Eliška Vítková, Michaela Schusová, Ilona Šimice, Nina Procházková Ayyub, Hana Volejníková, Veronika Kratochvílová Ilona Šimice	Z	2	0P+2C	L	v
2046126	Czech Lower Intermediate Jaroslava Kommová	Z	2	0P+2C	L	V
2046125	Czech Lower Intermediate Jaroslava Kommová	Z	2	0P+2C	Z	V
2046118	Czech - Advanced Jaroslava Kommová	Z	2	0P+2C	L	V
2046117	Czech - Advanced Jaroslava Kommová	Z	2	0P+2C	Z	v
2046127	Czech - Upper Intermediate Jaroslava Kommová	Z	2	0P+2C	Z	V
2046128	Czech - Upper Intermediate Jaroslava Kommová	Z	2	0P+2C	L	V
2046119	Czech Language for Beginners I. Jaroslava Kommová	Z	2	0P+2C	Z	V
2046120	Czech Language for Beginners II. Jaroslava Kommová	Z	2	0P+2C	L	V
2046086	French - Lower Intermediate Course Michaela Schusová, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046087	French - Lower Intermediate Course Michaela Schusová, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046091	French - Advanced Michaela Schusová, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046090	French - Advanced Eliška Vítková, Michaela Schusová, Dušana Jirovská Eliška Vítková Eliška Vítková (Gar.)	Z	2	0P+2C	Z	v
2046089	French - Upper Intermediate Michaela Schusová, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046088	French - Upper Intermediate Eliška Vítková, Michaela Schusová, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046084	French - Beginners Michaela Schusová, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046085	French - Beginners' Course Michaela Schusová, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	L	V
2146060	Indonesian Language Course for Exchange	Z	2	0P+2C	*	V
2146061	Technical Indonesian - Course I.	Z	2	0P+2C	Z	V
2144062	Technical Indonesian - Course II.	Z,ZK	3	1P+2C	L	V
2046078	German - Lower Intermediate Course Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	z	V
2046079	German - Lower Intermediate Course Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Eliška Vítková	Z	2	0P+2C	L	V
2046083	German - Advanced Course Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Jaroslava Kommová	Z	2	0P+2C	L	v
2046082	German - Advanced Course Eliška Vitková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046081	German - Upper Intermediate Course Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Eliška Vítková	Z	2	0P+2C	L	v
2046080	German - Upper Intermediate Course Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046076	German - Beginners Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046077	German - Beginners Eliška Vítková, Michaela Schusová, Jaroslava Kommová, Petr Laurich Eliška Vítková	Z	2	0P+2C	L	V

	Presentations in English	_				
2046161	Eliška Vítková, Michaela Šchusová, Ilona Šimice, Nina Procházková Ayyub Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	*	V
2046166	Presentations in Czech Eliška Vítková, Jaroslava Kommová, Petr Laurich Jaroslava Kommová Petr Laurich (Gar.)	Z	2	0P+2C	*	v
2046162	Presentations in German Eliška Vítková, Jaroslava Kommová, Petr Laurich Jaroslava Kommová Eliška Vítková (Gar.)	Z	2	0P+2C	*	v
2046164	Presentations in Russian Eliška Vítková, Dušana Jirovská Dušana Jirovská (Gar.)	Z	2	0P+2C	*	V
2046163	Presentations in French language Eliška Vítková, Dušana Jirovská Dušana Jirovská (Gar.)	Z	2	0P+2C	*	V
2046165	Presentations in Spanish Eliška Vítková Eliška Vítková	Z	2	0P+2C	*	V
2046137	Russian - Lower Intermediate Course Eliška Vítková, Michaela Schusová, Hana Volejníková, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046138	Russian - Lower Intermediate Course Michaela Schusová, Hana Volejníková, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046141	Russian - Advanced Eliška Vítková, Michaela Schusová, Hana Volejníková, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046142	Russian - Advanced Michaela Schusová, Hana Volejníková, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046140	Russian - Upper Intermediate Michaela Schusová, Hana Volejníková, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046139	Russian - Upper Intermediate Eliška Vítková, Michaela Schusová, Hana Volejníková, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046136	Russian - Beginners Michaela Schusová, Hana Volejníková, Dušana Jirovská Dušana Jirovská	Z	2	0P+2C	L	V
2046135	Russian - Beginners Eliška Vítková, Michaela Schusová, Hana Volejníková, Dušana Jirovská Michaela Schusová Michaela Schusová (Gar.)	Z	2	0P+2C	Z	v
2046099	Spanish - Lower Intermediate Michaela Schusová, Jaime Andrés Villagómez Eliška Vítková	Z	2	0P+2C	L	V
2046098	Spanish - Lower Intermediate Eliška Vítková, Michaela Schusová, Jaime Andrés Villagómez Eliška Vítková Eliška Vítková (Gar.)	Z	2	0P+2C	Z	v
2046096	Spanish - Beginners Eliška Vítková, Michaela Schusová, Jaime Andrés Villagómez Eliška Vítková Eliška Vítková (Gar.)	Z	2	0P+2C	Z	v
2046097	Spanish - Beginners Michaela Schusová, Jaime Andrés Villagómez Jaime Andrés Villagómez	Z	2	0P+2C	L	V

Characteristics of the courses of this group of Study Plan: Code=12B**1V-DOP ZJK Name=06 2012 doporu ené základní jazykové kurzy a prezentace

2046155	English Conversation	Z	2
Improving communicativ	e skills in speaking on general topics and general technical topics.		
2046156	English Conversation	Z	2
Improving communication	e skills in speaking on general topics and general technical topics.		
2046071	English - Lower Intermediate	Z	2
1 · ·	European Framework of Reference Level A2 Aim: Understanding clearly spoken language about everyday situations which		
or at his/her free time ar	nd speaking about them. Writing in a simple way about familiar topics. reading and comprehension of simple texts. Improvem	ent of professiona	al language.
2046070	English - Lower Intermediate	Z	2
Aim: Understanding clea	arly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the	m. Writing in a sir	nple way about
familiar topics. Reading	and comprehension of simple texts. Improvement of professional language. A1 - A2.		
2046074	English - Advanced	Z	2
The aim: comprehension	n of spoken English as well as lectures given in English without great difficulties and active participation in a discussion. Writi	ten and oral skills	on advanced
level. Ability to write a se	ummary, a report, an essay. reading and comprehension of popular-scientific and scientific articles or texts from student's fie	ld of studies witho	out difficulties.
Grammar structures on	advanced level. B1 - B2.		
2046075			
2040075	English - Advanced	Z	2
Mapped to the Commor	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E	• •	eat difficulties
Mapped to the Commor and active participation	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compret	• •	eat difficulties
Mapped to the Commor and active participation	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E	• •	eat difficulties
Mapped to the Commor and active participation	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compret	• •	eat difficulties
Mapped to the Commor and active participation scientific articles or texts 2046072	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compre- s from student's field of studies without difficulties. Grammar structures on advanced level.	nension of popula	eat difficulties r-scientific and 2
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend Ian	European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compre- s from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate	nension of popula	eat difficulties r-scientific and 2
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend Ian	DEuropean Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compre- s from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate guage skills taking into consideration professional English and common professional terminology. Comprehension of standard	nension of popula	eat difficulties r-scientific and 2
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend lan about topics of everyday 2046073	DEuropean Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compre- s from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate guage skills taking into consideration professional English and common professional terminology. Comprehension of standard life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1.	English speech a	eat difficulties r-scientific and 2 and conversation 2
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend lan about topics of everyday 2046073 Mapped to the Commor	a European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compre- s from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate guage skills taking into consideration professional English and common professional terminology. Comprehension of standard r life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. English - Upper Intermediate	English and commor	eat difficulties r-scientific and 2 and conversation 2 n professional
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend lan- about topics of everyday 2046073 Mapped to the Commor	 European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compretes from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate guage skills taking into consideration professional English and common professional terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. English - Upper Intermediate neuronal terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. English - Upper Intermediate neuronal terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. 	English and commor	eat difficulties r-scientific and 2 and conversation 2 n professional
Mapped to the Commor and active participation scientific articles or texts 2046072 The aim is to extend lan about topics of everyday 2046073 Mapped to the Commor terminology. Compreher	 European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in E in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. reading and compretes from student's field of studies without difficulties. Grammar structures on advanced level. English - Upper Intermediate guage skills taking into consideration professional English and common professional terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. English - Upper Intermediate neuronal terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. English - Upper Intermediate neuronal terminology. Comprehension of standard v life - at school, at work, during free time, on intermediate level. Broadening grammar knowledge. A2 - B1. 	English and commor	eat difficulties r-scientific and 2 and conversation 2 n professional

2046069	English - Beginners	Z	2
Mapped to the Commo	n European Framework of Reference Level A1 Aim: Basic vocabulary of everyday life in a written and spoken form. Understand	ding and use of ba	asic expressions
-	ninology (professional language).		
2046126	Czech Lower Intermediate	Z	2
-	arly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the	m. Writing in a sin	nple way about
	and comprehension of simple texts. Improvement of professional language.		
2046125	Czech Lower Intermediate	<u>Z</u>	2
-	arly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the	m. Writing in a sin	nple way about
	and comprehension of simple texts. Improvement of professional language.	7	
2046118	Czech -Advanced	Z	2
	Common European Framework of Reference: B1- B2 The aim: comprehension of spoken Czech as well as lectures given in C discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. Reading and comprehen	-	
	is from student's field of studies without difficulties. Grammar structures on advanced level.	sion of popular-sc	
2046117	Czech -Advanced	Z	2
	en language as well as lectures in Czech on topics familiar to the student. Communication with native speakers, participation in	- 1	
	write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and technical ar		3.1
2046127	Czech - Upper Intermediate	Z	2
	d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abili	ty to describe exp	eriences and
events, briefly explain c	ne's opinions and plans. Reading and understanding general and technical texts.		
2046128	Czech - Upper Intermediate	Z	2
	h European Framework of Reference Level A2-B1. The aim is to extend language skills taking into consideration professional	Czech and comm	on professional
terminology. Comprehe	nsion of standard Czech speech and conversation about topics of everyday life - at school, at work, during free time, on intern	mediate level. Bro	adening the
knowledge technical la	nguage.		
2046119	Czech Language for Beginners I.	Z	2
Basic vocabulary of eve	eryday life in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (profest	sional language)	
2046120	Czech Language for Beginners II.	Z	2
Mapped to the Commo	n European Framework of Reference Level A1 Aim: Basic vocabulary of everyday life in a written and spoken form. Understand	ding and use of ba	asic expressions
-	ninology (professional language).		
2046086	French - Lower Intermediate Course	Z	2
	vhat is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri	iting in a simple wa	ay about familiar
topics. Reading and co	mprehension of simple texts. Improvement of professional language.		
2046087	French - Lower Intermediate Course	Z	2
	Common European Framework of Reference: A2 Aim: Understanding clearly what is spoken about everyday situations which		
	beaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of		
2046091	French - Advanced	Z	2
Mapped to the level of 0	Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in French on top	pics familiar to the	student.
Communication with no	tive encelvere porticipation in discussions. Expressions enjoines Written skills. A hility to write an essent are report. Desding on		
	tive speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading an	nd understanding t	
currant issues and pop	ular scientific and technical articles.		exts concerning
currant issues and pop 2046090	ular scientific and technical articles. French - Advanced	Z	exts concerning
currant issues and pop 2046090 Comprehension of spol	ular scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation	Z	exts concerning
currant issues and pop 2046090 Comprehension of spol opinions. Written skills.	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te	Z n in discussions. E chnical articles.	exts concerning 2 Expressing
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089	Ilar scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate	Z n in discussions. E chnical articles. Z	2 Expressing 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of the	ular scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co	Z n in discussions. E chnical articles. Z omes across at wo	2 Expressing 2 prk, at school,
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of during free time, and ta	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understand	Z n in discussions. E chnical articles. Z omes across at wo	2 Expressing 2 ork, at school, 4 technical texts.
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of during free time, and ta 2046088	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understat French - Upper Intermediate French - Upper Intermediate	Z n in discussions. E ichnical articles. Z omes across at wo inding general and Z	2 Expressing 2 ork, at school, 4 technical texts. 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of during free time, and ta 2046088 Understanding standard	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understand	Z n in discussions. E ichnical articles. Z omes across at wo inding general and Z	2 Expressing 2 ork, at school, 4 technical texts. 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of during free time, and ta 2046088 Understanding standard	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding texts at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts.	Z n in discussions. E ichnical articles. Z omes across at wo inding general and Z	2 Expressing 2 ork, at school, 4 technical texts. 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co Iking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understat French - Upper Intermediate G speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability	Z n in discussions. E cchnical articles. Z omes across at wo inding general and Z ty to describe exp Z	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of 0 during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly of	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate G speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners	Z n in discussions. E cchnical articles. Z omes across at wo inding general and Z ty to describe exp Z	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of 0 during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly of	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate G speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Write	Z n in discussions. E cchnical articles. Z omes across at wo inding general and Z ty to describe exp Z	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly v topics. Reading and con 2046085	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Write prehension of simple texts. Improvement of professional language.	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wa	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly w topics. Reading and con 2046085 Mapped to the level of d	It is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language.	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wa a student meets a	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly w topics. Reading and con 2046085 Mapped to the level of d	It is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language.	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wa a student meets a	2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly v topics. Reading and coi 2046085 Mapped to the level of d his/her free time and sp 2146060	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students colliking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which everyday about familiar topics. Reading and comprehension of simple texts. Improvement of professional language.	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage.
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly v topics. Reading and coi 2046085 Mapped to the level of d his/her free time and sp 2146060	Iter scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students colliking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which everyday about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesian Language Course for Exchange	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage.
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of 0 during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly w topics. Reading and con 2046085 Mapped to the level of 0 his/her free time and sp 2146060 Basic of Indonesian La 2146061 Second part of Indonesian	It is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar to profess. Reading and understanding clearly what is spoken about everyday situations which weaking about them. Writing in a simple way about familiar to professional induces a speaker and tanguage for Student Exchange Program to Indonesia	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly v topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian La 2146061	It is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writig prevented for Student School or in his/her free time and speaking about them. Writig about them. Writig in a simple way about familiar topics. Reading and understanding clearly what is spoken about everyday situations which heaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesian Language for Student Exchange Program to Indonesian Language Indonesian - Course I.	Z n in discussions. E chnical articles. Z omes across at wo nding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of 0 during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly w topics. Reading and con 2046085 Mapped to the level of 0 his/her free time and sp 2146060 Basic of Indonesian La 2144062 Basic of Indonesian La	Idar scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co Iking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilitine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in provement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which evaluations the professional language. Indonesian Language Course for Exchange nguage for Student Exchange Program to Indonesia	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z Z,ZK	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly w topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian Lai 2144062 Basic of Indonesian Lai 2046078	In a scientific and technical articles. French - Advanced wen language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and technical artopean Framework of Reference: A2 - B1 Understanding standard speech about familiar topics, that a students or liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate Gapach about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability a spech about familiar matters that a student meets at work, at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language. French - Beginners Vhat is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wrimprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which weaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesia Technical Indonesian - Course I. Indonesian Language for Student Exchange Program to Indonesia Technical Indonesian - Course II. Indonesian - Course II. Ina Language for Student Exchange Program to Indonesia German - Lower Intermediate Course	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z Z,ZK	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly v topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian Lai 2144062 Basic of Indonesian Lai 2046078 Aim: Understanding clear	It is spoken about familiar studies which a student meets at school or in his/her free time and speaking about them. Write greating about them. Write greating about them. Write greating about them. Write greating about them is spoken about students. Indonesian Language Course for Exchange nguage for Student Exchange Program to Indonesia Technical Indonesian - Course II. guage for Student Exchange Program to Indonesia German - Lower Intermediate Course arly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them students which as the student the student is provement of professional language. Technical Indonesian - Course II. guage for Student Exchange Program to Indonesia German - Lower Intermediate Course arly what is spoken about exeryday situations which a student meets at school or in his/her free time and speaking about them site and the speaking about them. Write greaters are appreted about familiar to a situation should be about familiar topics. A situations which a student meets at school or in his/her free time and speaking about them. Write speaker about them. Write greaters are appreted about them. Write greaters are appreted about them are appreted about them. Write greaters are appreted about the speakers are appreted about them and speaking about them. Write greaters are appreted about the speakers are appreted about themets at school or in his/h	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z Z,ZK	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian Lai 2144062 Basic of Indonesian Lai 2046078 Aim: Understanding clear	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit ine's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri mprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking shout themetore ability be about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which beaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesian Language Course for Exchange guage for Student Exchange Program to Indonesia Technical Indonesian - Course I. an Language for Student Exchange Program to Indonesia German - Lower Intermediate Course arily what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the and comprehension of simple texts.	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 apple way about
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian Lat 2144062 Basic of Indonesian Lat 2046078 Aim: Understanding clear familiar topics. Reading 2046079	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar topics, that a students co king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit res opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri mprehension of simple texts. Improvement of professional language. French - Beginners ' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which a student meets. Reading and comprehension of simple texts. Improvement of Indonesian Language Course for Exchange nguage for Student Exchange Program to Indonesia Technical Indonesian - Course I. ian Language for Student Exchange Program to Indonesia Technical Indonesian - Course II. nguage for Student Exchange Program to Indonesia German - Lower Intermediate Course ary what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the and comprehension of simple texts. Improvement of professional language. German - Lower Intermediate Course German - Lower Intermediate Course German - Lower Intermediate Course	Z n in discussions. E chnical articles. Z omes across at wo omes across at wo of professional lan Z Z iting in a simple wa a student meets a of professional lan Z	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 ple way about 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian Lat 2144062 Basic of Indonesian Lat 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co liking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit ne's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writ mprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which eaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesian Language Course for Exchange guage for Student Exchange Program to Indonesia Technical Indonesian - Course I. ian Language for Student Exchange Program to Indonesia German - Lower Intermediate Course and comprehension of simple texts. Improvement of professional language. German - Lower Intermediate Course Common European Framework of Reference A2 Aim: Understanding clearly spoken language about everyday situations which a student Exchange Program to Indonesia Common European Framework of Reference A2 Aim: Understanding clearly spoken language about everyday situations which Common European Framework of Reference A2 Aim: Understanding clearly spoken language about everyday situations which	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z,ZK m. Writing in a sim Z h a student meets	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 aple way about 2 ether at school
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146061 Second part of Indonesian Lai 2144062 Basic of Indonesian Lai 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understa French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit ne's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri mprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which eaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of Indonesian Language for Student Exchange Program to Indonesia Technical Indonesian - Course II. an Language for Student Exchange Program to Indonesia German - Lower Intermediate Course ary what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the and comprehension of simple texts. Improvement of professional language. German - Lower Intermediate Course ary what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about the and comprehension of simple texts. Improvement of professional language. German - Lower Intermediate Course Common European Framework of Reference A2 Aim: Understanding clearly spoken language about everyd	Z n in discussions. E chnical articles. Z omes across at wo omes across at wo of professional lan Z a student meets a of professional lan Z Z Z Z A student meets a of professional lan Z Z Z A student meets a of professional lan Z A student meets a b a student meets a b a student meets	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language.
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian La 2144062 Basic of Indonesian La 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and 2046083	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understa French - Upper Intermediate d speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit is sopken about severyday situations which a student meets at school or in his/her free time and speaking about them. Wri mprehension of simple texts. Improvement of professional language. French - Beginners Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which Indonesian Language Course for Exchange nguage for Student Exchange Program to Indonesia Technical Indonesian - Course I. an Language for Student Exchange Program to Indonesia German - Lower Intermediate Course German - Advanced Course	Z n in discussions. E chnical articles. Z omes across at wo omes across at wo of professional lan Z z a student meets a of professional lan Z Z Z Z not professional lan Z A student meets nt of professional Z A student meets	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 3 nple way about 2 either at school language. 2
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146061 Second part of Indonesian La 2144062 Basic of Indonesian La 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d	ular scientific and technical articles. French - Advanced en language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understate G speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abiliti one's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which astudent meets. Indonesian Language Course for Exchange gauge for Student Exchange Program to Indonesia Technical Indonesian - Course I. an Language for Student Exchange Program to Indonesia German - Lower Intermediate Course ary what is spoken ab	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z,ZK m. Writing in a sim Z h a student meets nt of professional Z C Z C Z Z C Z C Z C Z C Z C Z Z Z C Z A Z A Z A Z A A A A A A A <tr< td=""><td>exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties</td></tr<>	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146061 Second part of Indonesian La 2144062 Basic of Indonesian La 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d and active participation	ular scientific and technical articles. French - Advanced een language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co- king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school or in his/her free time, and talking about these topics. Abilit ne's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. Indonesian Language Course for Exchange Improvement of professional language. Te	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z,ZK m. Writing in a sim Z h a student meets nt of professional Z C Z C Z Z C Z C Z C Z C Z C Z Z Z C Z A Z A Z A Z A A A A A A A <tr< td=""><td>exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties</td></tr<>	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standard events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian La 2146061 Second part of Indonesian 2144062 Basic of Indonesian La 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d and active participation scientific articles or text	ular scientific and technical articles. French - Advanced ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students concerning currant issues and popular scientific and texts. French - Upper Intermediate Speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which eaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language for Student Exchange Program to Indonesia Technical Indonesian - Course I. Indonesian Ina Language for Student Exchange Program to Indonesia Indonesian - Course I. German - Lower Intermediate Course Improvement of professional language. </td <td>Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z m. Writing in a sim Z h a student meets nt of professional Z C Z C Z C Z C Z C Z C C C Z Z Z C Z A student meets n German without whension of popular</td> <td>exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties ar-scientific and</td>	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wo a student meets a of professional lan Z Z m. Writing in a sim Z h a student meets nt of professional Z C Z C Z C Z C Z C Z C C C Z Z Z C Z A student meets n German without whension of popular	exts concerning 2 Expressing 2 ork, at school, d technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties ar-scientific and
currant issues and pop 2046090 Comprehension of spol opinions. Written skills. 2046089 Mapped to the level of d during free time, and ta 2046088 Understanding standar events, briefly explain of 2046084 Understanding clearly V topics. Reading and con 2046085 Mapped to the level of d his/her free time and sp 2146060 Basic of Indonesian La 2144062 Basic of Indonesian La 2046078 Aim: Understanding clear familiar topics. Reading 2046079 Mapped to the level of d or in his/her free time and 2046083 Mapped to the level of d and active participation scientific articles or text 2046082	ular scientific and technical articles. French - Advanced een language as well as lectures in French on topics familiar to the student. Communication with native speakers, participatio Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te French - Upper Intermediate Common European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co- king about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and technical texts. French - Upper Intermediate d speech about familiar matters that a student meets at work, at school or in his/her free time, and talking about these topics. Abilit ne's opinions and plans. Reading and understanding general and technical texts. French - Beginners what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. French - Beginners' Course Common European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professional language. Indonesian Language Course for Exchange Improvement of professional language. Te	Z n in discussions. E chnical articles. Z omes across at wo inding general and Z ty to describe exp Z iting in a simple wa a student meets a of professional land Z Z,ZK R. Writing in a simple was n of professional land Z Image: A student meets a of professional land Z Image: A student meets a Ima	exts concerning 2 Expressing 2 ork, at school, 4 technical texts. 2 eriences and 2 ay about familiar 2 at school or in guage. 2 2 3 nple way about 2 either at school language. 2 great difficulties ar-scientific and 2

2046081 Germa	in - Upper Intermediate Course	Z	2
	European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students co		
during free time, and talking about	t these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understa	nding general and	d technical texts.
2046080 Germa	n - Upper Intermediate Course	Z	2
Understanding standard speech	about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit	ty to describe exp	eriences and
events, briefly explain one's opin	ons and plans. Reading and understanding general and technical texts.		
2046076 Germa	n - Beginners	Z	2
Basic vocabulary of everyday life	in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (profest	sional language)	
2046077 Germa	n - Beginners	Z	2
	opean Framework of Reference A1 Basic vocabulary of everyday life in a written and spoken form. Understanding	and use of basic	expressions of
general scientific terminology (pro	ofessional language).		
2046161 Preser	ntations in English	Z	2
	English on technical topics, with a possible co-operation with specialized departments.	_	_
	ntations in Czech	Z	2
	tations in English on technical topics, with a possible co-operation with specialized departments.	2	<u> </u>
		Z	2
	ntations in German	2	2
	cal topics in German, possibly in cooperation with specialized departments.	7	
	itations in Russian	Z	2
	cal topics in Russian, possibly in cooperation with specialized departments.	_	
	ntations in French language	Z	2
Preparation for presenting techni	cal topics in French, possibly in cooperation with specialized departments.		
2046165 Preser	ntations in Spanish	Z	2
Preparation for presenting techni	cal topics in Spanish, possibly in cooperation with specialized departments.		
2046137 Russia	n - Lower Intermediate Course	Z	2
Understanding clearly what is spo	ken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri	ting in a simple w	ay about familiar
topics. Reading and comprehens	on of simple texts. Improvement of professional language.		
2046138 Russia	n - Lower Intermediate Course	Z	2
	European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a stu	dent meets at scl	hool or in his/her
	m. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of profes		
2046141 Russia	in - Advanced	7	2
	ige as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation	_	
	vrite an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and te		g
	in - Advanced	7	2
	European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to	-	
	ers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading an	-	
currant issues and popular scient		a anaorotanaing	lokto concorning
	in - Upper Intermediate	Z	2
	ן European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student m	_	
	topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understail		-
	n - Upper Intermediate	<u>ک</u>	2
• •	about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Abilit	ly to describe exp	eriences and
	ons and plans. Reading and understanding general and technical texts.	-	
	n - Beginners	Z	2
	European Framework of Reference: A1 Basic vocabulary of everyday life in a spoken and written form. Understandi	ng and use of bas	sic expressions
of general scientific terminology (
2046135 Russia	n - Beginners	Z	2
Basic vocabulary of everyday life	in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (profess	sional language)	
2046099 Spanis	h - Lower Intermediate	Z	2
Mapped to the level of Common I	European Framework of Reference A2 Understanding clearly what is spoken about everyday situations which a stud	dent meets at sch	ool or in his/her
free time and speaking about the	m. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of profes	sional language.	
2046098 Spanis	h - Lower Intermediate	Z	2
	ken about everyday situations which a student meets at school or in his/her free time and speaking about them. Wri	ting in a simple w	ay about familiar
topics. Reading and comprehens	on of simple texts. Improvement of professional language.		
2046096 Spanis	h - Beginners	Z	2
	s spoken about everyday situations which a student meets at school or in his/her free time and speaking about ther		
	prehension of simple texts. Improvement of professional language.	J	
	h - Beginners	Z	2
	n Framework of Reference Level A1. Aim: Understanding clearly what is spoken about everyday situations which a		
	out them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement c		

List of courses of this pass:

Code	Name of the course	Completion	Credits
2011009	Mathematics III	Z,ZK	5
	An introductory course in ordinary differential equation and infinite series.	•	

2011021	Constructive Geometry The subject is focused on geometric objects in the space - curves, surfaces and solids and their properties and mutual relation	Z,ZK	6
2011056	Mathematics I	Z,ZK	8
n the course, greate	er emphasis is placed on the theoretical basis of the concepts discussed and on the derivation of basic relationships and connections	between conce	pts. Studen
vill also get to know th	he procedures for solving problems with parametric input. In addition, students will gain extended knowledge in some thematic areas: eig of a matrix, Taylor polynomial, integral as a limit function, integration of some special functions.	gennumbers and	eigenvecto
2011062	Matematika II.	Z,ZK	8
	et, boundary in E^k. Real function of k-variables. Partial derivatives and differentiability. Gradient and directional derivative. Differentia	,	-
-	inction given implicitly. Local and global (= absolute) extremes of a function of more variables. Double integral, volume (=triple) integral, F		-
of integrals to polar,	cylindrical and spherical coordinates. A simple smooth curve and line integral of a scalar and vector function. Circulation and Green	s theorem. A pot	tential vect
field, independence	of a line integral on the path. Simple smooth surface and surface integral of a scalar function and a vector function. Flow of a vector	field through a s	surface. Th
	Gauss-Ostrogradskij theorem.		
2012037	Computer Graphics	KZ	3
2016007	Mathematics I Seminar	Z	2
201A021	Constructive Geometry A	ZK	3
	The subject is focused on geometric objects in the space - curves, surfaces and solids and their properties and mutual relation		
201A056	Mathematics I.A	ZK	4
	Introduction to linear algebra, analytic geometry of straight lines and planes in E3, calculus of functions of one variable		1
201A062	Mathematics II.A	ZK	4
-	et, boundary in E^k. Real function of k-variables. Partial derivatives and differentiability. Gradient and directional derivative. Differentia		-
, ,	Inction given implicitly. Local and global (= absolute) extremes of a function of more variables. Double integral, volume (=triple) integral, F cylindrical and spherical coordinates. A simple smooth curve and line integral of a scalar and vector function. Circulation and Green		
U 1 <i>i</i>	e of a line integral on the path. Simple smooth surface and surface integral of a scalar function and a vector function. Flow of a vector		
neid, independence	Gauss-Ostrogradskij theorem.	neid through a s	bullace. III
2021025	Physics II.	Z.ZK	4
	tromagnetic induction. Maxwell's equations, electromagnetic waves. Light, wave optics, geometrical optics. Quantum properties of elect	,	1 -
-	itter. Photoelectric effect. Wave-particle mature of matter. Quantum-mechanical description of particle's motion. Hydrogen atom and p	-	
pectra, x-rays, ;lase	er. Band theory of solids, semiconductors. Nucleus, radioactivity, sources of nuclear energy. Laboratories - measurements of 6 experi	ments related to	the lectur
2021041	Physics I.	Z,ZK	7
inematics and dyna	amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic prop	, perties of bodies.	Oscillatio
waves. Fluid mec	chanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Cor	ductors, semico	nductors,
nsulators. Magnetic	field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect	t measurements	, regressio
5	measurements of 11 various experiments related to the lectures.		
2026016	measurements of 11 various experiments related to the lectures. Physics - Seminar	Z	2
		Z	2
	Physics - Seminar	Z ZK	2
2026016 202A041	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics.	ZK	3
2026016 202A041 (inematics and dyna waves. Fluid mec	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic process. chanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation	ZK perties of bodies. aductors, semico	3. Oscillation
2026016 202A041 (inematics and dyna waves. Fluid mec	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic prochanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect	ZK perties of bodies. aductors, semico	3. Oscillation
2026016 202A041 (inematics and dyna waves. Fluid mec insulators. Magnetic	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic prochanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Con field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures.	ZK perties of bodies. aductors, semico t measurements	3. Oscillation nductors, , regressio
2026016 202A041 Sinematics and dyna waves. Fluid mec nsulators. Magnetic 2041061	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic prochanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Cor field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam	ZK perties of bodies. iductors, semico t measurements Z,ZK	3. Oscillation nductors, , regressio
2026016 202A041 Sinematics and dyna waves. Fluid mec nsulators. Magnetic 2041061	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propresentations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Correct field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti	ZK perties of bodies. iductors, semico t measurements Z,ZK	3. Oscillation nductors, , regressio
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 /apped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proprichanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level.	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in	3 . Oscillation nductors, , regressio
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportion. chanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 discussion 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 dapped to the Comm 2041062	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propresentations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 discussion 2
2026016 202A041 Cinematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proprochanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level.	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in	3 Oscillation nductors, , regression 2 discussion 2 discussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportion. chanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conditional field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam /FME	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 discussion 2 discussion 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propresentations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation of 11 various experiments, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME Intensity of measurement spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME Intensity of understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read t	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 discussion 2 discussion 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063 Mapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propresentations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation of 11 various experiments, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in	3 Oscillation nductors, , regression 2 discussion 2 discussion 2 discussion 2 discussion
2026016 202A041 Cinematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063 Mapped to the Comm 2041063	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propresentative and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation of 11 various experiments, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 a discussion 2 discussion 2 a discussion 2 a discussion 2 a discussion 2 a discussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriet of the state	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, , regression 2 discussion 2 discussion 2 discussion 2 discussion 2 discussion 2
2026016 202A041 Commentations and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063 Mapped to the Comm 2041063 Mapped to the Comm 2041064	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation of an easurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanie Hoelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greate	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in	3 Oscillation nductors, regression discussion discussion 2 discussion 2 discussion 2 discussion 2 discussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 dapped to the Comm 2041062 dapped to the Comm 2041063 dapped to the Comm 2041064 dapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam Indirect material to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME Indirect material to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME Indirect material texts, to master grammar at advanced level. French - Bachelor Exam / FME Indirect material texts, to master grammar at advanced level. Imon European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Imon European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Imon European Framework Level B2. The aim is	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 dapped to the Comm 2041062 dapped to the Comm 2041063 dapped to the Comm 2041064 dapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservation of an easurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanie Hoelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greate	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 lapped to the Comm 2041062 lapped to the Comm 2041063 lapped to the Comm 2041064 lapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Conservations of 11 various experiments, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on tech	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 dapped to the Comm 2041062 dapped to the Comm 2041063 dapped to the Comm 2041063 dapped to the Comm 2041063 dapped to the Comm 2041064 dapped to the Comm 2041065 dapped to the Comm 2041065 dapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam Inderstand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME Inderstand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME Inderstand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME Inderstand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME Inderstand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical text	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in	3 Oscillation nductors, regression 2 discussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 tapped to the Comm 2041062 tapped to the Comm 2041063 tapped to the Comm 2041063 tapped to the Comm 2041063 tapped to the Comm 2041065 tapped to the Comm 2041065 tapped to the Comm 2041065 tapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Correst, field. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, t	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK es, to take part in	3 Oscillation nductors, regression 2 discussion 2 adiscussion 2 adiscussion 2 adiscussion 2 adiscussion 2 adiscussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 1apped to the Comm 2041062 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041065 1apped to the Comm 2041065 1apped to the Comm 2046068 Aim: Basic vocat 2046069	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 1apped to the Comm 2041062 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041065 1apped to the Comm 2041065 1apped to the Comm 2046068 Aim: Basic vocat 2046069	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proprichanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Corfield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to mas	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063 Mapped to the Comm 2041064 Mapped to the Comm 2041065 Mapped to the Comm 2046068 Aim: Basic vocat 2046069	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic proportanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Corfield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 //apped to the Comm 2041062 //apped to the Comm 2041063 //apped to the Comm 2041063 //apped to the Comm 2041063 //apped to the Comm 2041064 //apped to the Comm 2041065 //apped to the Comm 2046068 Aim: Basic vocat 2046069 //apped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic programics. Emperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Cordinations. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectu	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 Mapped to the Comm 2041062 Mapped to the Comm 2041063 Mapped to the Comm 2041063 Mapped to the Comm 2041063 Mapped to the Comm 2041064 Mapped to the Comm 2041065 Mapped to the Comm 2046068 Aim: Basic vocat 2046069 Mapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic prograthanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Corfield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level.	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 1apped to the Comm 2041062 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041064 1apped to the Comm 2041065 1apped to the Comm 2046068 Aim: Basic vocat 2046069 1apped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic progrhanics. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to maste	ZK berties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 adiscussion
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 1apped to the Comm 2041062 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041064 1apped to the Comm 2041065 1apped to the Comm 2046068 Aim: Basic vocat 2046069 Iapped to the Comm 2046070 Aim: Understanding 2046071	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. Immission of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. English-Bachelor Exam Indirect materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. Inon European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Inon European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam / FME non European	ZK perties of bodies. Iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z,ZK	3 Oscillation nductors, regression 2 discussion 2 expression 2 expression 2 e way abo 2
2026016 202A041 inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 1apped to the Comm 2041062 1apped to the Comm 2041063 1apped to the Comm 2041063 1apped to the Comm 2041064 1apped to the Comm 2041065 1apped to the Comm 2046068 Aim: Basic vocat 2046069 Iapped to the Comm 2046070 Aim: Understanding 2046071 Mapped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. unics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriments. Temperature and heat transfer. Kinetic theory of gases. Thermodynamics. Electric field, current, conductivity, resistance. Confield. Magnetic materials. Laboratories - accuracy of measurements, systematic and random errors, uncertainty of direct and indirect measurements of 11 various experiments related to the lectures. Image: State Stat	ZK perties of bodies. iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z utake part in Z udent meets eith	3 Oscillation nductors, regression 2 discussion 2 expression 2 expression 2 expression 2 endiscussion 2 catage). A1 2 expression 2 endiscussion 2 catage 2 catage 2 catage 2 catage 2 catage 2 catage
2026016 202A041 (inematics and dyna waves. Fluid mec nsulators. Magnetic 2041061 //apped to the Comm 2041062 //apped to the Comm 2041063 //apped to the Comm 2041063 //apped to the Comm 2041063 //apped to the Comm 2041064 //apped to the Comm 2041065 //apped to the Comm 2046068 Aim: Basic vocat 2046070 //apped to the Comm	Physics - Seminar The subject is mainly meant for high-school students for repetition of high-school physics. Physics I. Physics I. amics of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriations of a particle motion. Principle of conservation of energy. System of particles, centre of mass. Rigid body. Continuum, elastic propriation of particles, centre of mass. Rigid body. Continuum, elastic propriations can be added to the lectures. English-Bachelor Exam mon European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. German - Bachelor Exam / FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. French - Bachelor Exam /FME non European Framework Level B2. The aim is to understand spoken language and lectures on technical topics without greater difficulti to write a summary, a report and an essay, to read technical texts, to master grammar at advanced level. Spanish - Bachelor Exam /FME Intermework Level B2. The aim is to understand spoken language and lectures on technical	ZK perties of bodies. iductors, semico t measurements Z,ZK es, to take part in Z,ZK es, to take part in Z utake part in Z udent meets eith	3 Oscillation nductors, regressio 2 discussion 2 expression 2 expression 2 e way abo 2 ner at scho

2046073	English - Upper Intermediate Z	2
	European Framework of Reference Level B1. The aim is to extend language skills taking into consideration professional English and commo	
erminology. Comprehensi	on of standard English speech and conversation about topics of everyday life - at school, at work, during free time, on intermediate level. Broa	dening gramm
	knowledge.	
2046074	English - Advanced Z	2
	of spoken English as well as lectures given in English without great difficulties and active participation in a discussion. Written and oral skill	
level. Ability to write a su	mmary, a report, an essay. reading and comprehension of popular-scientific and scientific articles or texts from student's field of studies with	nout difficulties
2046075	Grammar structures on advanced level. B1 - B2.	2
2046075	English - Advanced Z European Framework of Reference Level B1 - B2. The aim: comprehension of spoken English as well as lectures given in English without g	2 reat difficulties
	a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay, reading and comprehension of popula	
	scientific articles or texts from student's field of studies without difficulties. Grammar structures on advanced level.	
2046076	German - Beginners Z	2
Basic vocabulary	of everyday life in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (professional lar	1
2046077	German - Beginners Z	2
Mapped to the level Com	mon European Framework of Reference A1 Basic vocabulary of everyday life in a written and spoken form. Understanding and use of basic	expressions o
	general scientific terminology (professional language).	
2046078	German - Lower Intermediate Course Z	2
Aim: Understanding clear	ly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a si	mple way abo
	familiar topics. Reading and comprehension of simple texts. Improvement of professional language.	
2046079	German - Lower Intermediate Course Z	2
	mmon European Framework of Reference A2 Aim: Understanding clearly spoken language about everyday situations which a student meets and speaking about them. Writing in a simple way about familiar topics. reading and comprehesion of simple texts. Improvement of profession	
		2
2046080	German - Upper Intermediate Course Z speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability to describe ex	1
	events, briefly explain one's opinions and plans. Reading and understanding general and technical texts.	
2046081	German - Upper Intermediate Course Z	2
	ommon European Framework of Reference:A2 - B1 Understanding standard speech about familiar topics, that a students comes across at v	1
	ng about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and	
2046082	German - Advanced Course Z	2
Comprehension of spok	en language as well as lectures in German on topics familiar to the student. Communication with native speakers, participation in discussior	ns. Expressing
opinions. Written	skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and technical a	articles.
2046083	German - Advanced Course Z	2
••	mmon European Framework of Reference: B1- B2 The aim: comprehension of spoken German as well as lectures given in German without	•
and active participation in	a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. Reading and comprehension of popul scientific articles or texts from student's field of studies without difficulties. Grammar structures on advanced level.	lar-scientific ar
2040004		
2046084	French - Beginners Z at is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple w	2
inderstanding clearly who	topics. Reading and comprehension of simple texts. Improvement of professional language.	ay about lanin
2046085	French - Beginners´ Course Z	2
	ommon European Framework of Reference: A1 Aim: Understanding clearly what is spoken about everyday situations which a student meets	
	speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professiona	
2046086	French - Lower Intermediate Course Z	2
	at is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a simple w	ay about famil
	topics. Reading and comprehension of simple texts. Improvement of professional language.	
2046087	French - Lower Intermediate Course Z	2
Mapped to the level of C	ommon European Framework of Reference: A2 Aim: Understanding clearly what is spoken about everyday situations which a student meets	s at school or i
his/her free time and	speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professiona	al language.
2046088	French - Upper Intermediate Z	2
Understanding standard	speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability to describe ex	periences and
	events, briefly explain one's opinions and plans. Reading and understanding general and technical texts.	
2046089	French - Upper Intermediate Z	2
	ommon European Framework of Reference: A2 - B1 Understanding standard speech about familiar topics, that a students comes across at w	
-	ng about these topics. Ability to describe experiences and events, explain one's opinions and plans. Reading and understanding general and	
2046090	French - Advanced Z	2
	ken language as well as lectures in French on topics familiar to the student. Communication with native speakers, participation in discussion skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and technical a	
2046091	French - Advanced Z	2
	Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in French on topics familiar to	
	e speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and understanding to	
	currant issues and popular scientific and technical articles.	
2046096	Spanish - Beginners Z	2
	ly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing in a sir	1
	familiar topics. Reading and comprehension of simple texts. Improvement of professional language.	
	Spanish - Beginners Z	2
2046097		
2046097	European Framework of Reference Level A1. Aim: Understanding clearly what is spoken about everyday situations which a student meets	at school or in
2046097 Mapped to the Commor	European Framework of Reference Level A1. Aim: Understanding clearly what is spoken about everyday situations which a student meets speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of professiona	
2046097 Mapped to the Commor		

2046099	Spanish - Lower Intermediate	7	2
Mapped to the level	of Common European Framework of Reference A2 Understanding clearly what is spoken about everyday situations which a studer	-	1
free time and	d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p	professional langu	age.
2046117	Czech -Advanced	Z	2
	boken language as well as lectures in Czech on topics familiar to the student. Communication with native speakers, participation in dis	•	ing opinions.
	skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and to		0
2046118	Czech -Advanced of Common European Framework of Reference: B1- B2 The aim: comprehension of spoken Czech as well as lectures given in Czec	Z	2
	n in a discussion. Written and oral skills on advanced level. Ability to write a summary, a report, an essay. Reading and comprehens	-	
	scientific articles or texts from student's field of studies without difficulties. Grammar structures on advanced level.		
2046119	Czech Language for Beginners I.	Z	2
Basic vocab	ulary of everyday life in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (p	rofessional langu	age)
2046120	Czech Language for Beginners II.	Z	2
Mapped to the Comr	non European Framework of Reference Level A1 Aim: Basic vocabulary of everyday life in a written and spoken form. Understanding	g and use of basic	expressions
	of general scientific terminology (professional language).		1
2046125	Czech Lower Intermediate	Z	2
Aim: Understanding	clearly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them.	Writing in a simpl	e way about
0040400	familiar topics. Reading and comprehension of simple texts. Improvement of professional language.	-	
2046126	Czech Lower Intermediate	Z	2
Aim: Understanding	clearly what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. familiar topics. Reading and comprehension of simple texts. Improvement of professional language.	writing in a simpl	e way about
2046127	Czech - Upper Intermediate	Z	2
	ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability	_	1
	events, briefly explain one's opinions and plans. Reading and understanding general and technical texts.		
2046128	Czech - Upper Intermediate	Z	2
	non European Framework of Reference Level A2-B1. The aim is to extend language skills taking into consideration professional Cz	_	1
terminology. Comp	rehension of standard Czech speech and conversation about topics of everyday life - at school, at work, during free time, on interm	ediate level. Broa	dening the
	knowledge technical language.		1
2046135	Russian - Beginners	Z	2
	ulary of everyday life in a spoken and written form. Understanding and use of basic expressions of general scientific terminology (p	-	
2046136	Russian - Beginners	Z	2
Mapped to the level	of Common European Framework of Reference: A1 Basic vocabulary of everyday life in a spoken and written form. Understanding	and use of basic	expressions
2046427	of general scientific terminology (professional language)	7	2
2046137	Russian - Lower Intermediate Course y what is spoken about everyday situations which a student meets at school or in his/her free time and speaking about them. Writing	-	-
Understanding clean	topics. Reading and comprehension of simple texts. Improvement of professional language.		about laminar
2046138	Russian - Lower Intermediate Course	7	2
2046138 Amount Apped to the level	Russian - Lower Intermediate Course of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer	Z nt meets at schoo	2 l or in his/her
Mapped to the level		nt meets at schoo	l or in his/her
Mapped to the level	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer	nt meets at schoo	l or in his/her
Mapped to the level of free time and 2046139	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability	nt meets at schoo professional langu Z	l or in his/her age. 2
Mapped to the level of free time and 2046139 Understanding star	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts.	nt meets at schoo professional langu Z to describe expen	l or in his/her age. 2 iences and
Mapped to the level free time and 2046139 Understanding star 2046140	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate	t meets at schoo professional langu Z to describe exper	l or in his/her age. 2 iences and 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me	t meets at schoo professional langu Z to describe exper Z ets at work, at scl	l or in his/her age. 2 iences and 2 nool, during
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding	t meets at schoo professional langu Z to describe exper Z ets at work, at sch ng general and te	l or in his/her age. 2 iences and 2 ool, during chnical texts.
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced	t meets at schoo professional langu Z to describe exper Z ets at work, at sch ng general and ter Z	or in his/her age. 2 iences and 2 nool, during chnical texts. 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a student d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation	t meets at schoo professional langu Z to describe exper Z ets at work, at sch ng general and te Z n in discussions. I	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced	t meets at schoo professional langu Z to describe exper Z ets at work, at sch ng general and te Z n in discussions. I	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing les.
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a student d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a	t meets at schoo professional langu Z to describe exper Z ets at work, at sch g general and te Z n in discussions. I and technical artic Z	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing les. 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the level	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a student d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of provide a speaking about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student meets at events, briefly explain one's opinions and plans. Reading and understanding free time, and talking about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding standard speech about familiar matters that a student meet g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced	t meets at schoo professional langu Z to describe exper Z ets at work, at sch g general and te Z n in discussions. I and technical artic Z ppics familiar to th	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student.
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a student d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of prevents, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student meets and events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student meets and events, briefly explain one's opinions and plans. Reading and understanding texts concerning and understanding and understanding free time, and plans. Reading and understanding about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding framework of packers, participation in the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific at a native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and understanding texts concerning are essay or a report. Reading and understanding texts are student and the state of the student is a student is substant on topics familiar to the student. Communication with native speakers in Russian on topics familiar of the student. Communication with native speakers, participation and understanding texts concerning currant issues and popular scientific at the student of the student. Communication with native speakers in Russian on topics familiar to the student. Communicatis and use student is a student methet and text and text and	t meets at schoo professional langu Z to describe exper Z ets at work, at sch g general and te Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student. s concerning
Mapped to the level of free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the leve	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on top rative speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and currant issues and popular scientific and technical articles. English Conversation	t meets at schoo professional langu Z to describe exper Z ets at work, at sch g general and te Z n in discussions. I and technical artic Z ppics familiar to th	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student.
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on top native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and ucurrant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics.	t meets at schoo professional langu to describe experi- to describe experi- ets at work, at sch ng general and ter Z n in discussions. I and technical artice Z ppics familiar to th nderstanding text	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student. s concerning 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate ndard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and u currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. English Conversation	t meets at schoo professional langu Z to describe exper Z ets at work, at sch g general and te Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student. s concerning
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate and and speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one 's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student meet about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on top ative speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and upular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. English Conversation Improving communicative skills in speaking on general topics and general technical topics.	t meets at schoo professional langu to describe experi- to describe experi- ang general and ter Z n in discussions. I and technical artice Z ppics familiar to th nderstanding text Z	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student. s concerning 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate and speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and upquar scientific and tervart issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English	t meets at schoo professional langu to describe experi- to describe experi- ets at work, at sch ng general and ter Z n in discussions. I and technical artice Z ppics familiar to th nderstanding text	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing des. 2 e student. s concerning 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046161	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate and and speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and u currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments.	t meets at schoo professional langu to describe experi- to describe experi- ets at work, at sch general and ter Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text Z Z Z	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing iles. 2 e student. s concerning 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one 's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding these topics. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific at Russian - Advanced el of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation intent skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific at Russian - Advanced el of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German	t meets at schoo professional langu to describe experi- to describe experi- ang general and ter Z n in discussions. I and technical artice Z ppics familiar to th nderstanding text Z	or in his/her age. 2 iences and 2 cool, during chnical texts. 2 Expressing des. 2 e student. s concerning 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046161	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding a bout these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding a bout these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding Russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical topics in German, possibly in cooperation with specialized departments.	t meets at schoo professional langu Z to describe experi- ets at work, at sch ng general and ter Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text Z Z Z Z	or in his/her age. 2 iences and 2 2 nool, during chnical texts. 2 Expressing iles. 2 e student. s concerning 2 2 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046161	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate hdard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on topics Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical topics in German Preparation for presenting technical topics in German Presentations in French language	t meets at schoo professional langu to describe experi- to describe experi- ets at work, at sch general and ter Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text Z Z Z	or in his/her age. 2 iences and 2 nool, during chnical texts. 2 Expressing les. 2 e student. s concerning 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046161 2046162 2046163	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding russian - Advanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced el of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced el of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and ucurrant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English Preparation for presenting technical topics in German Preparation for prese	t meets at schoo professional langu Z to describe experi- general and ter Z nin discussions. I and technical artice Z ppics familiar to th nderstanding text Z Z Z Z	or in his/her age. 2 iences and 2 2 nool, during chnical texts. 2 Expressing les. 2 e student. s concerning 2 2 2 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046161	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student mee g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understandin Russian - AdVanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - AdVanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific an Russian - AdVanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to native speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and ucurant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical t	t meets at schoo professional langu Z to describe experi- ets at work, at sch ng general and ter Z n in discussions. I and technical artic Z ppics familiar to th nderstanding text Z Z Z Z	or in his/her age. 2 iences and 2 2 nool, during chnical texts. 2 Expressing iles. 2 e student. s concerning 2 2 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046156 2046161 2046163 2046163 2046164	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understandin Russian - AdVanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - AdVanced solven language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific at Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to rative speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and ucurrant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparation for present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical topics	t meets at schoo professional langu Z to describe experi- general and ter Z nin discussions. I and technical artice Z ppics familiar to th nderstanding text Z Z Z Z Z Z	or in his/her age. 2 iences and 2 cool, during chnical texts. 2 Expressing les. 2 e student. s concerning 2 2 2 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046156 2046161 2046162	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me a about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understanding spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - Advanced el of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to ative speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparing students to present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical topics in German, possibly in cooperation with specialized departments. Presentations in French language Preparation for presenting technical topics	t meets at schoo professional langu Z to describe experi- general and ter Z nin discussions. I and technical artice Z ppics familiar to th nderstanding text Z Z Z Z	or in his/her age. 2 iences and 2 cool, during chnical texts. 2 Expressing les. 2 e student. s concerning 2 2 2 2 2 2
Mapped to the level free time and 2046139 Understanding star 2046140 Mapped to the leve free time, and talking 2046141 Comprehension of opinions. W 2046142 Mapped to the lev Communication with 2046155 2046156 2046156 2046161 2046163 2046163 2046164	of Common European Framework of Reference: A2 Understanding clearly what is spoken about everyday situations which a studer d speaking about them. Writing in a simple way about familiar topics. Reading and comprehension of simple texts. Improvement of p Russian - Upper Intermediate dard speech about familiar matters that a student meets at work, at school, during free time, and talking about these topics. Ability events, briefly explain one's opinions and plans. Reading and understanding general and technical texts. Russian - Upper Intermediate I of Common European Framework of Reference: A2 - B1 Understanding standard speech about familiar matters that a student me g about these topics. Ability to describe experiences and events, briefly explain one's opinions and plans. Reading and understandin Russian - AdVanced spoken language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participatio ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific a Russian - AdVanced solven language as well as lectures in Russian on topics familiar to the student. Communication with native speakers, participation ritten skills. Ability to write an essay or a report. Reading and understanding texts concerning currant issues and popular scientific at Russian - Advanced rel of Common European Framework of reference: B1 - B2 Comprehension of spoken language as well as lectures in Russian on to rative speakers, participation in discussions. Expressing opinions. Written skills. Ability to write an essay or a report. Reading and ucurrant issues and popular scientific and technical articles. English Conversation Improving communicative skills in speaking on general topics and general technical topics. Presentations in English Preparation for present in English on technical topics, with a possible co-operation with specialized departments. Presentations in German Preparation for presenting technical topics	t meets at schoo professional langu Z to describe experi- general and ter Z nin discussions. I and technical artice Z ppics familiar to th nderstanding text Z Z Z Z Z Z	or in his/her age. 2 iences and 2 cool, during chnical texts. 2 Expressing les. 2 e student. s concerning 2 2 2 2 2 2

2121023	Thermodynamics	Z,ZK	5
	basic engineering approach to classical thermodynamics, heat transfer and compressible flow through nozzles and diffusers.		-
	applied mostly to systems behaving as ideal gases or typical vapours. Basic notions associated with ideal mixtures are studied w		•
Heat transfer covers f	undamentals of conduction, convection and radiation. Heat exchangers are treated as an engineering application.Exercises a problems and experimental technique.	and labs are devoted	to practical
2131002	Engineering Design II	Z,ZK	4
	Geometrical Products Specification). Students will get critical knowledge about ISO system of limits and fits, tolerancing, surface		
	olerancing of angles and cones, tolerancing of threads. Integral part of course is a project where students apply and practice	-	1
2131005	History of Technology	_ ZK	3
	nan knowledge in the domain of science and technology in the retrospective of the developement of our civilization. Emphasis cial attention to the contribution of mining, iron metallurgy, power engineering, transportation and of the machine industry in t	.	
2131519	Machine Elements for Technology	Z,ZK	5
2132001	Engineering Design I.	KZ	2
2102001	Basic of technical representation, dimensioning and tolerancing		2
2141204	Introduction to Electrical Engineering for Technology	Z,ZK	4
	circuits, analysis of electrical circuits as DC and AC. El. Power and Energy. Principle and typical parameters diodes, transisto		n amplifiers
Analogue and digit	al circuits. AC el. curcuits. Electrical power and energy. Calculation, measurement, power factor. Transformer. Induction mach	ines. Synchronous ma	achines.
	DC-machines		1
2144062	Technical Indonesian - Course II.	Z,ZK	3
04.40000	Basic of Indonesian Language for Student Exchange Program to Indonesia		0
2146060	Indonesian Language Course for Exchange Basic of Indonesian Language for Student Exchange Program to Indonesia	Z	2
2146061	Technical Indonesian - Course I.	Z	2
	Second part of Indonesian Language for Student Exchange Program to Indonesia	∠	2
2182019	Chemistry	KZ	3
	m the point of view of mechanical and process engineering. Physical chemistry forms 2/3 of the course (structure and prope	1	-
-	emical reactions, reaction engineering), the remaining 1/3 is devoted to organic chemistry (hydrocarbons, polymers) and bio		-
	oriented upon the material properties measurement.		
2311004	Mechanics for Technology	Z,ZK	7
2321039	Materials Science II.	Z,ZK	4
undamentals of metal	lurgy, iron-carbon alloys and influence of other elements, phase transformations, thermal, combined chemical and thermal ar		l processin
2321067	technical iron-carbon alloys, non-ferrous metals and their alloys, plastics, structural ceramics, composites, selection of ma Technical Application of Materials	aterials.	5
	tate of materials engineering, overview of technical materials, internal structure of metals, crystal lattices and their defects, d s, structure and properties of materials and their testing, fundamentals of thermodynamics, phases and phase transformation	-	
2322041	Heat treatment	KZ	4
1	mentals of heat treatment, basic processes of heat and chemical-heat treatment of ferrous and non-ferrous metals, excursio	1	1 -
2322091	Project	KZ	2
	iminary submission of a bachelor thesis the students, under supervision of their supervisors, prepare a review summarizing a		1
with particular emph	asis on experimental technologies which can be applied in their bachelor theses. They can also mention a planned experime knowledge or results.	nt or evaluate hitherto	obtained
2331065	Design Consideration	Z,ZK	5
Relations between de	sign, production technique and economic aspects. Design considerations in casting, forming, welding, machining and assemi and production technology selection. Component detailing for manufacture. CNC basis and using CNC.	bly techniques. Basis	for materia
2331068	Technology I.	Z,ZK	5
oundry properties of m	etals. Treatment. Pouring. Casting solidification. Moulding and core making. Thermal treatment. Plastic deformation. Division of heating-up. Cutting. Cold and hot forming. Welds. Weldability. Weldment testing. Thermal cutting. Brazing. Surface treatment of the second se		emi-product
2331071	Automation of Production Processes	Z,ZK	5
	hnological processes - casting, welding, forming and finishing. Facilities and equipment required to automate offices. Mechan		
steel foundries. Autor	nation and robotics of die casting process, including other peripherals. Designing and programming of robotic welding centers		ramming o
0004505	robotic workstations for sheet metal forming. Design of automated forging cells. Design of automated finishing lines		4
2331505	Welding Technology	Z,ZK	4
2331506	Casting and Forming Technology f the manufacturing method for semi-finished products Production planning and production processes in the foundry Production	Z,ZK	5
-	f the manufacturing method for semi-finished products. Production planning and production processes in the foundry. Productio erial, utilized equipment. Production processes for stampings. Manufacturing of stampings, presses and equipment. Plastic m		-
	production of a casting, forging or a stamping.		.,
2332038	Surface Treatment Technology	KZ	4
	ntroduction to the topic of finishes (meaning and objectives of the field). They are introduced to the basics of corrosion distribution	1	TPU focuse
-	in engineering and other industries. Are reconstructed surface preparation processes (mechanical, chemical). Among the discu uch as electroplating, zinc plating) technology conversion layers, further application of organic coatings. An important issue is also	-	
0000050	design and testing in the field of surface treatment.	1/7	
2332056	Preparations and Tools	KZ	3
	on of the manufacturing method for semi-finished products. Production planning and production processes in the foundry. Pro I, utilized equipment. Production processes for stampings. Manufacturing of stampings, presses and equipment. Production pro sequence, filler materials, equipment. Plastic mouldings. Individual projects for production of a casting, forging or a stam	cesses for weldments	
2332091	Project	KZ	2
2002001			<u> </u>

2333017	Surface Treatment	Z	3
Introduction to the	surface treatments - branch signification and objects. Principles of corrosion, types and corrosion distribution. Anticorrosive preventi	ا on in manufacturin	g, method
anticorrosive prev	ention. Corrosion testing. Surface pre-treatment. Converse coatings, enamels. Inorganic coatings, electroplating, hot-dip galvanizing.	Organic coatings.	Ecological
	aspects of surface treatments.		
2333038	Fundamentals of Technology I.	Z	3
Production proces	ses in engineering production. Technology of engineering production. Materials in engineering. Concepts of steel and cast iron, techn	ical metals. Produ	ction of pig
iron and steel. Cas	sting: modeling devices, molding materials, molding and castings. Foundry alloys. Overview of basic casting technology. Forming tech	nology. Hot and co	old forging.
Free and drop fo	rging. Rolling. Production of pipes. Bulk and sheet metal forming. Welding technology. The characteristics of the various types of welc	ling. Fusion weldin	ig: Flame
	welding and arc welding with coated electrodes. Thermal cutting.		
2333993	Bachelor Thesis	Z	5
2341014	Technology II.	Z,ZK	5
mechanics of chip for	ormation, cutting processes, finishing operations, non-traditional machining processes. Production rates calculation, machining econom	nics. Automation of	f processes,
	programming of manufacture. Engineering metrology. Assembly techniques. Introduction to process planing.		
2342005	Quality Control	KZ	2
	ol terms, where is quality created, who is responsible for a quality. Basic statistical terms and distributions. Statistical methods: statisti		l, statistical
sam	pling. Tools and methods for a quality assurance during product lifetime cycle. Standards 9 000 and 14 000, certification of quality cc	ontrol systems.	
2342091	Project	KZ	2
	Work on specialized tasks.		
2372041	Computer Support for Study	KZ	3
The course introduc	ces students into creating technical and professional documents on computers or Web and into realizing technical computations with t	ne use of compute	rs. Students
gain practica	al skills by creating an essay in a text editor, by realizing technical computations with a spreadsheet calculator, and by creating techni	cal-based WWW p	age.
2381002	Fundamentals of Economics	Z,ZK	5
The course is focu	sed on the following subjects: basic economic relations and consequences. Economic aggregates and their consequences. Operating	g of the economics	according
to so called	d macroekonomic circle, various economic theories. Consumption behaviour in microeconomics. Theory of production. Different mark	ets and competitio	ins.
2381068	Cost Accounting	Z,ZK	5
The subject prese	ents an introduction to the problems of value management as the enterprise on the whole and its parts - centres - by means of budge	eting (expected cos	st), so the
individual achievem	ents (intermediate products, products, services) - by means of preliminary costing (expected costs) and actual costing (actual costs). E	mphasis is laid on	the relation
	nole - enterprise costs - to the costs of individual achievements and the understanding of the transformation from costs in the budgeti		
•	ns) into the costing structure (direct and overhead costs), and fixed and variable costs. There are taught conventional and also mode		0
subject Cost Accou	nting is connected directly with the subject Accounting and represents an introduction to the problems of cost allocation to separate provide the intervention of the	products, which are	e compared
0004075	with the market price and finding out as their profitability, so their acceptability or unacceptability manufacturing program.	7 71/	-
2381075	Enterprise Management and Economics	Z,ZK	5
2381098	Enterprise Finance	Z,ZK	4
-	ing of the Enterprise provides a broad-based introduction to financial management. Students have an opportunity to acquire an unders	-	
-	application in decision-making. Students gain knowledge of financial management role within a business, financial ratios, nature and provide the development of fitture place for a business and in the provide the impact of management decision on the performance		
	ir role in the development of future plans for a business and in the assessing the impact of management decision on the performanc be taken into account when managing the working capital of a business, various aspects of financing the business through external a	-	
	a business, ways how business can make decision and evaluation involv-ing investments in new technology, and various aspects of r		
2382048	Statistical and Decision Analysis	KZ	4
	is a good basis for a creation of decision-making models. The goal of this subject is to teach students to apply the selected statistical		
Olaliolical analysis	decision analysis, to create models for the management of industrial enterprises.	in method, to apply	
2382091	Specialization Project	KZ	2
			2
2383001	Fundamentals of Law I legal system is a necessary part of professional equipment of each expert with university degree. The aim of this course is to provid	۲ A a view into the C	
	burces of law and system of law (branch of law), using tutorials, lectures, specialised literature and significant legal regulations. It is ne		-
	ns, that will be regularly in touch with, especially during their professional career and to learn how to work with the collection of laws.		
-	now some practical habits and processes while putting the law on, especially in domain of contracts and other important legal relation		
	to prepare professional presentations and to understand basic structures between law and engineering		,
2383008	Managerial Psychology	Z	2
2383102	Personnel Management	Z	2
1	n resource management is concerned with the effective management of people at work. Subject examines what can or should be dor	I I	
	e satisfied with their working life. Its goal is to help develop more effective managers and staff specialists who work directly with the hum		
			-

For updated information see <u>http://bilakniha.cvut.cz/en/FF.html</u> Generated: day 2024-05-17, time 14:00.