Study plan

Name of study plan: Otev ené elektronické systémy - Komunikace a zpracování signálu

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch: Program of study: Welcome page Type of study: unknown full-time

Required credits: 74

Elective courses credits: 46 Sum of credits in the plan: 120

Note on the plan:

Name of the block: Compulsory courses in the program

Minimal number of credits of the block: 25

The role of the block: P

Code of the group: MDIP

Name of the group: Diploma Thesis

Requirement credits in the group: In this group you have to gain at least 25 credits (at most 400)

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

Credits in the group: 25 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
A0M13DIP	Diploma Thesis	Z	25	36S	L	Р
A0M14DIP	Diploma Project	Z	25		L	Р
A0M15DIP	Master's thesis	Z	25	36s	L	Р
A0M16DIP	Diploma thesis	Z	25	36s	L,Z	Р
A0M17DIP	Diploma Thesis	Z	25	36s	L	Р
A0M31DIP	Diploma Thesis	Z	25		L	Р
A0M33DIP	Diploma Thesis	Z	25	36S	L	Р
A0M34DIP	Diploma Thesis	Z	25	36C	L	Р
A0M35DIP	Diploma Thesis	Z	25	36S	L	Р
A0M37DIP	Diploma Thesis	Z	25	36s	L	Р
A0M38DIP	Diploma Thesis	Z	25	0P+36C	L	Р
A0M39DIP	Master Thesis	Z	25		L	Р
A0M36DIP	Diploma Thesis	Z	25	14s	L,Z	Р
ADIP25	Diploma Thesis	Z	25	36s	L	Р

Characteristics of the courses of this group of Study Plan: Code=MDIP Name=Diploma Thesis

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A0M13DIP	Diploma Thesis	Z	25				
Independent final comp	ndependent final comprehensive work for the Master's degree study program. A student will choose a topic from a range of topics related to his or her branch of study, which will be						
specified by branch dep	partment or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensiv	e final examination	n.				
A0M14DIP	Diploma Project	Z	25				
A0M15DIP	Master's thesis	Z	25				
A0M16DIP	Diploma thesis	Z	25				
A0M17DIP	Diploma Thesis	Z	25				
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his	or her branch of s	tudy, which will				
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	nsive final examina	ation. Diploma				
projects deals with microwave technique, antennas, propagation, optical communications, EMC, and medical applications.							
A0M31DIP	Diploma Thesis	Z	25				
A0M33DIP	Diploma Thesis	Z	25				

A0M34DIP	Diploma Thesis	Z	25			
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his	or her branch of s	tudy, which will			
be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.						
A0M35DIP	Diploma Thesis	Z	25			
Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which will						
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	sive final examina	ation.			
A0M37DIP	Diploma Thesis	Z	25			
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his	or her branch of s	tudy, which will			
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	sive final examina	ation.			
A0M38DIP	Diploma Thesis	Z	25			
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his	or her branch of s	tudy, which will			
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	sive final examina	ation.			
A0M39DIP	Master Thesis	Z	25			
A0M36DIP	Diploma Thesis	Z	25			
ADIP25	Diploma Thesis	Z	25			
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his	or her branch of s	tudy, which will			
be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.						

Name of the block: Compulsory courses of the specialization

Minimal number of credits of the block: 45

The role of the block: PO

Code of the group: MOESPO1

Name of the group: Compulsory subjects of the branch

Requirement credits in the group: In this group you have to gain 45 credits

Requirement courses in the group: In this group you have to complete at least 10 courses

Credits in the group: 45 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
A8M01ADP	Algorithms for Distributed and Parallel Systems	Z,ZK	5	3P+1S	Z	PO
A8M37WDC	Wireless Digital Communications	Z,ZK	5	4P+0C	Z	PO
A8M37CDC	Coding in Digital Dommunications	Z,ZK	5	4P+0C	L	PO
A8M32AVL	Audio-Video Processing Lab	Z	2	0P + 2L	Z	PO
A8M37CSL	Communications and Signal Processing Laboratory	Z	2	0P+2C	L	PO
A8M32NOP	Network Optimization	Z,ZK	5	4P + 0C	Z	PO
A8M37RSY	Radio Systems	Z,ZK	5	4P+0L	Z	PO
A8M32AQT	Applied Queueing Theory	Z,ZK	6	3P + 1C	Z	PO
A8M31APS	Audio processing and source coding	Z,ZK	5	4P	L	PO
A8M32VPS	Video processing and source coding	Z,ZK	5	4P + 0C	Z	PO

Characteristics of the courses of this group of Study Plan: Code=MOESPO1 Name=Compulsory subjects of the branch

A8M01ADPAlgorithms for Distributed and Parallel SystemsZ,ZKA8M37WDCWireless Digital CommunicationsZ,ZKA8M37CDCCoding in Digital DommunicationsZ,ZKA8M32AVLAudio-Video Processing LabZA8M37CSLCommunications and Signal Processing LaboratoryZ	
A8M37CDC Coding in Digital Dommunications Z,ZK A8M32AVL Audio-Video Processing Lab Z	5
A8M32AVL Audio-Video Processing Lab Z	5
	5
A8M37CSL Communications and Signal Processing Laboratory Z	2
	2
A8M32NOP Network Optimization Z,ZK	5
A8M37RSY Radio Systems Z,ZK	5
A8M32AQT Applied Queueing Theory Z,ZK	6
A8M31APS Audio processing and source coding Z,ZK	5
A8M32VPS Video processing and source coding Z,ZK	5

Name of the block: Elective courses
Minimal number of credits of the block: 4

The role of the block: V

Code of the group: MOESH

Name of the group: Humanities subjects

Requirement credits in the group: In this group you have to gain at least 4 credits (at most 20) Requirement courses in the group: In this group you have to complete at least 1 course

Credits in the group: 4

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
B0M16FI2	Philosophy 2	Z,ZK	4	2P+2S	L	V
B0M16HT2	History of science and technology 2	Z,ZK	4	2P+2S	L	V
B0M16HSD	History of economy and social studies	Z,ZK	4	2P+2S	L	V
B0M16MPS	Psychology	Z,ZK	4	2P+2S	Z,L	V
B0M16TE1	Theology	Z,ZK	4	2P+2S	L	V

Characteristics of the courses of this group of Study Plan: Code=MOESH Name=Humanities subjects

and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical groups.

B0M16FI2	Philosophy 2	Z,ZK	4				
The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.							
B0M16HT2	History of science and technology 2	Z,ZK	4				
This subject traces histe	This subject traces historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' interest in the history and						
traditions of the subject	traditions of the subject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and the influence of technical						
engineers							
B0M16HSD	History of economy and social studies	Z,ZK	4				
This subject deals with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech political representation, its aims							

 B0M16MPS
 Psychology
 Z,ZK
 4

 B0M16TE1
 Theology
 Z,ZK
 4

This subject provides to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the basic theologic disciplines are gone through. The subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who want to get know Christianity - religion from which graws our civilization up.

Code of the group: MJK

Name of the group: Language courses

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0

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
A0B04GA	Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04KA	English Conversation 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04OA	Technical English Course Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
AE0B04C0	Czech Language 0 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	٧
A0B04CIN	Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04KF1	French conversation 1 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04KF2	French conversation 1 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04F1	French language 1 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04F2	French language 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04F3	French Language 3 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04JAP	Japanese Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04GN	German Grammar Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04KN	German Conversation Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04KN2	German conversation 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V

	Petra Juna Jennings Petra Juna Jennings (Gar.)					
A0B04N2	German language 2 Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04N3	German language 3 Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04ON	Professional German Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04CAE1	Certificate of Advanced English CAE 1	Z	2	2C	Z,L	V
A0B04CAE2	Petra Juna Jennings Pavla Péterová (Gar.) Certificate of Advanced English CAE 2	Z	2	2C	Z,L	V
	Pavla Péterová Petra Juna Jennings (Gar.) Certificate of Advanced English CAE 3	_	_			
A0B04CAE3	Petra Juna Jennings, Pavla Péterová Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04CAE4	Certificate of Advanced English 4 Pavla Péterová	Z		2C	Z,L	V
A0B04FCE1	FCE 1 Petra Juna Jennings	Z	2	2C	*	V
A0B04FCE2	FCE 2 Petra Juna Jennings	Z	2	2C	*	V
A0B04FCE4	FCE4	Z	2	2C	Z,L	V
A0004E0E2	FCE 3	7	2	20	,	.,,
A0B04FCE3	Petra Juna Jennings	Z	2	2C	Z,L	V
A0B04PZP	Preparation for stay in Germany Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04RET	Rhetoric Jitka Pinková Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04KR	Russian conversation	Z	2	2C	Z,L	V
A0B04KR2	Russian conversation 2	Z	2	2C	*	V
A0B04R1	Russian language 1 Jitka Pinková Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04R2	Russian language 2 Jitka Pinková Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04R3	Russian language 3 Jitka Pinková	Z	2	2C	*	V
A0B04R4	Russian language 3	Z	2	2C	*	V
A0B04KS1	Spanish conversation 1 Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04KS2	Spanish conversation 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04S1	Spanish language 1 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04S2	Spanish language 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04S3	Spanish language 3 Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04S4	Spanish Language 4 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04CA	Technical English for Pre-Intermediate	Z	2	2C	L	V
Characteristics of the	courses of this group of Study Plan: Code=MJK Name=Langu	uage courses	;			
A0B04GA					Z	2
	xtend and complement grammatical patterns covered in other English courses that a		-time studer	nts. The coul	rse is meant r	nainly as a
	have not yet passed the B2 examination and are interested in further study and addi	tional practice.			7	
1 '	glish Conversation 2 udents who want to develop their communication skills. Students will be given the opp	portunity to use th	e vocahular	v they alread	Z	2 vell as learn
-	ommunicate on a variety of topics and themes. This course is not designed for beginn	=	e vocabulai	y triey arreat	ay Kilow, as w	reli as lealti
	chnical English Course				Z	2
	udents who have successfully passed the B2 Exam or have met the exam requiremen	t. Its main objectiv	e is to prepa	are students	_	I
	er in English in a variety of formats. This will be practiced by examining the structure an	d style of writing in	n formal Eng	lish and pra	cticing via 3 d	lifferent types
	explanatory article, and a research article.					
	ech Language 0	P. L. L.			Z	2
	ERASMUS students - especially beginners. The course is taught on the basis of Engronunciation, vocabulary and grammar structure of the Czech language, and also provid					
during their stay in the Czech		e ulem with basic	useiui pilias	es needed id	n everyuay CO	minumication
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German language 1 Petra Juna Jennings Petra Juna Jennings (Gar.)

A0B04N1

A0B04CIN

A0B04KF1

A0B04KF2

A0B04F1

A0B04F2

A0B04F3

French conversation 1

French conversation 1

French language 1

French language 2

French Language 3

A0B04JAP	Japanese	Z	2
A0B04GN	German Grammar	Z	2
A0B04KN	German Conversation	Z	2
A0B04KN2	German conversation 2	Z	2
A0B04N1	German language 1	Z	2
40B04N2	German language 2	Z	2
		Z	
NOB04N3	German language 3		2
A0B04ON	Professional German	Z	2
A0B04CAE1	Certificate of Advanced English CAE 1 is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE1 covers	Z	2
exts of various types is well as by employed or obtaining credit to AOBO4CAE2 The aim of the course ou to improve your land a billity to use the leaxts of various types is well as by employed or obtaining credit to AOBO4CAE3 The aim of the course ou to improve your land AOBO4CAE4	anguage in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for cours rs who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries take CAE at British Council. Certificate of Advanced English CAE 2 is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE2 covers reguage skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is based anguage in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for cours rs who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries take CAE at British Council. Student is allowed to enrol only into one CAE course during one semester. Certificate of Advanced English CAE 3 is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE3 covers inguage skills (reading, writing English in use, listening and speaking) and use them in a wide range of contexts. Certificate of Advanced English 4	es taught and ass es. It is possible by Z sunits 5-8. Studyin sed on realistic tas able to understances taught and ass es. It is possible by Z unit 9 - 12. Studyin Z	essed in Engl ut not necessi 2 g for CAE hel iks and indica d and produce essed in Engl ut not necessi 2 ng for CAE he
0B04FCE1	FCE 1	Z	2
	FCE 2 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euporoving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtain		
32 ELF.			
NOB04FCE4	FCE4	Z	2
	or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Eu proving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtai		Frame. The
2 ELF. A0B04FCE3 The course is aimed teference for Langua	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic	Z ommon European	2 Framework of
32 ELF. AOB04FCE3 The course is aimed Reference for Langua btaining the required	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR.	Z ommon European cs - and is submitte	2 Framework of ed to the goal
22 ELF. A0B04FCE3 The course is aimed Reference for Langua btaining the required A0B04PZP	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany	Z ommon European cs - and is submitte	2 Framework of ed to the goal 2
2 ELF. 0B04FCE3 ne course is aimed eference for Langua otaining the required 0B04PZP 0B04RET ne objective of the sachelors. This subje	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR.	Z mmon European los - and is submitte Z Z the prospective e	2 Framework of ed to the goal 2 ngineers and
2 ELF. 0B04FCE3 ne course is aimed eference for Langua otaining the required 0B04PZP 0B04RET ne objective of the sachelors. This subject that the students of	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychological presentations.	Z mmon European los - and is submitte Z Z the prospective e	2 Framework of ed to the goal 2 2 ngineers and
2 ELF. 0B04FCE3 he course is aimed eference for Langua otaining the required. 0B04PZP 0B04RET he objective of the suchelors. This subject that the students could be supported to the supported to t	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psycholan create a good image. The course "Retorika" provides an introduction to this subject.	Z mmon European los - and is submitte Z Z the prospective eological barriers for	2 Framework of ed to the goal 2 2 ngineers and public speak
2 ELF. .0B04FCE3 he course is aimed eference for Langua braining the required0B04PZP .0B04RET he objective of the sachelors. This subject that the students of .0B04KR .0B04KR	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic read a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2	Z pmmon European loss - and is submitted Z Z the prospective election barriers for Z Z	2 Framework of ed to the goa 2 2 ngineers and republic speak
2 ELF. .0B04FCE3 he course is aimed eference for Langua braining the required0B04PZP .0B04RET he objective of the sachelors. This subject that the students of .0B04KR .0B04KR .0B04KR2 .0B04R1	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Libject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of twill enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic relations are good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian language 1	Z pmmon European cs - and is submitte Z the prospective eological barriers for Z Z	2 Framework of ed to the goal 2 2 ngineers and republic speak
2 ELF. 00B04FCE3 he course is aimed deference for Langua btaining the required 10B04PZP 10B04RET he objective of the sachelors. This subject of that the students of 10B04KR 10B04KR 10B04KR2 10B04R1 10B04R2	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic read a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 2	Z pmmon European cs - and is submitte Z Z the prospective ellogical barriers for Z Z Z	2 Framework or ed to the goal 2 ngineers and republic speak 2 2 2 2 2 2
2 ELF. 10B04FCE3 The course is aimed deference for Langua btaining the required 10B04PZP 10B04RET The objective of the stachelors. This subject to that the students of 10B04KR 10B04KR 10B04KR 10B04R1 10B04R2 10B04R3	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of twill enable the students to develop both spoken and written presentations, non verbal communication and remove the psycholor create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 3	Z ymmon European cs - and is submitte Z Z the prospective ellogical barriers for Z Z Z Z Z Z Z	2 Framework of ed to the goal 2 ngineers and ripublic speak 2 2 2 2 2 2
AOBO4RCA	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic concreate a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 3 Russian language 3 Russian language 3	Z mmon European los - and is submitte Z Z the prospective eological barriers for Z Z Z Z Z Z Z Z Z Z	2 Framework of ed to the goal 2 2 ngineers and public speak 2 2 2 2 2 2 2 2
AOB04FCE3 The course is aimed teference for Langua btaining the required AOB04PZP AOB04RET The objective of the stachelors. This subjet of that the students of AOB04KR AOB04KR AOB04KR AOB04R1 AOB04R2 AOB04R3 AOB04R4 AOB04R4	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Diect is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psycholor create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 3 Russian language 3 Spanish conversation 1	Z mmon European cs - and is submitte Z T the prospective e plogical barriers for Z Z Z Z Z Z Z Z Z Z	2 Framework of ed to the goal of the goal
2 ELF. 10B04FCE3 The course is aimed deference for Langua braining the required 10B04PZP 10B04RET The objective of the stachelors. This subject the students of 10B04KR 10B04KR 10B04KR 10B04R1 10B04R2 10B04R3 10B04R4 10B04R4 10B04KS1 10B04KS2	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Libject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic and create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 3 Russian language 3 Spanish conversation 1 Spanish conversation 2	Z pmmon European cs - and is submitted Z the prospective epological barriers for Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 Framework of ed to the goal of the goal
A0B04FCE3 The course is aimed Reference for Langua obtaining the required A0B04PZP A0B04RET The objective of the spachelors. This subjective of the spachelors.	FCE 3 or students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Coges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Diect is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the will enable the students to develop both spoken and written presentations, non verbal communication and remove the psycholor create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 3 Russian language 3 Spanish conversation 1	Z mmon European cs - and is submitte Z T the prospective e plogical barriers for Z Z Z Z Z Z Z Z Z Z	2 Framework of ed to the goal of the goal

Code of the group: MTV

A0B04S2

A0B04S3

A0B04S4

A0B04CA

Name of the group: Physical education

Spanish language 2

Spanish language 3

Spanish Language 4

Technical English for Pre-Intermediate

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0 Note on the group:

Z

Z

Z

Z

2

2

2

2

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
TVV	Physical education	Z	0	0+2	Z,L	V
TV-V1	Physical education	Z	1	0+2	Z,L	V
TVV0	Physical education	Z	0	0+2	Z,L	V
TVKZV	Physical Education Course	Z	0	7dní	Z	V
TVKLV	Physical Education Course	Z	0	7dní	L	V

Characteristics of the courses of this group of Study Plan: Code=MTV Name=Physical education

TVV	Physical education	Z	0
TV-V1	Physical education	Z	1
TVV0	Physical education	Z	0
TVKZV	Physical Education Course	Z	0
TVKLV	Physical Education Course	Z	0

Code of the group: MOESVOL

Name of the group: Elective subjects Requirement credits in the group: Requirement courses in the group:

Credits in the group: 0

Note on the group:

~Nabídku volitelných předmětů uspořádaných podle kateder najdete na webových stránkách http://www.fel.cvut.cz/cz/education/volitelne-predmety.html\\

List of courses of this pass:

Code	Name of the course	Completion	Credits
A0B04CA	Technical English for Pre-Intermediate	Z	2
A0B04CAE1	Certificate of Advanced English CAE 1	Z	2
1			

The aim of the course is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE1 covers units 1-4. Studying for CAE helps you to improve your language skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is based on realistic tasks and indicates the ability to use the language in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be able to understand and produce texts of various types. CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for courses taught and assessed in English as well as by employers who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries. It is possible but not necessary for obtaining credit to take CAE at British Council.

A0B04CAE2	Certificate of Advanced English CAF 2	7	2	

The aim of the course is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE2 covers units 5-8. Studying for CAE helps you to improve your language skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is based on realistic tasks and indicates the ability to use the language in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be able to understand and produce texts of various types. CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for courses taught and assessed in English as well as by employers who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries. It is possible but not necessary for obtaining credit to take CAE at British Council. Student is allowed to enrol only into one CAE course during one semester.

A0B04CAE3 Certificate of Advanced English CAE 3 Z 2

The aim of the course is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE3 covers unit 9 - 12. Studying for CAE helps you to improve your language skills (reading, writing English in use, listening and speaking) and use them in a wide range of contexts.

A0B04CAE4	Certificate of Advanced English 4	Z	
A0B04CIN		Z	2
A0B04F1	French language 1	Z	2
A0B04F2	French language 2	Z	2
A0B04F3	French Language 3	Z	2
A0B04FCE1	FCE 1	Z	2

The course is aimed for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the European Language Frame. The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining the required skills needed for B2 ELF.

A0B04FCE2 FCE 2 Z 2

The course is aimed for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the European Language Frame. The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining the required skills needed for B2 ELF.

A0B04FCE3	FCE 3	Z	2
	ed for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Com-		
Reference for Lang	uages (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetics - a obtaining the required skills needed for B2 CEFR.	and is submitted to	the goal of
A0B04FCE4	FCE4	Z	2
	ا ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euro	_	
	mproving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining B2 ELF.		I
A0B04GA	02 EE1.	Z	2
	ا urse is to extend and complement grammatical patterns covered in other English courses that are intended for full-time students. The		
	supplement for students who have not yet passed the B2 examination and are interested in further study and additional practi-	ice.	
A0B04GN	German Grammar	Z	2
A0B04JAP	Japanese	Z	2
A0B04KA	English Conversation 2	Z	2
The course is design	gned for students who want to develop their communication skills. Students will be given the opportunity to use the vocabulary they a new words and phrases, to communicate on a variety of topics and themes. This course is not designed for beginners.	ilready know, as w	ell as learn
A0B04KF1	French conversation 1	Z	2
A0B04KF2	French conversation 1	Z	2
A0B04KN	German Conversation	Z	2
A0B04KN2	German conversation 2	Z	2
A0B04KR	Russian conversation	 Z	2
A0B04KR2	Russian conversation 2	Z	2
A0B04KS1	Spanish conversation 1	Z	2
A0B04KS2	Spanish conversation 2	Z	2
A0B04N1	German language 1	Z	2
A0B04N2	German language 2	Z	2
A0B04N3	German language 3	Z	2
A0B04OA	Technical English Course	Z	2
_	ned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude		
about technical subj	ect matter in English in a variety of formats. This will be practiced by examining the structure and style of writing in formal English and	practicing via 3 dif	ferent types
A0B04ON	of texts: an abstract, a short explanatory article, and a research article. Professional German	Z	2
A0B04PZP	Professional Germany Preparation for stay in Germany	Z	2
A0B041 21 A0B04R1	Russian language 1	Z	2
A0B04R1	Russian language 2	Z	2
A0B04R3	Russian language 3	Z	2
A0B04R4	Russian language 3	Z	2
A0B04RET	Rhetoric		2
	ne subject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the	e prospective engi	neers and
bachelors. This subj	ect will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic	cal barriers for pub	lic speaking
A0D04C4	so that the students can create a good image. The course "Retorika" provides an introduction to this subject.	7	
A0B04S1	Spanish language 1	Z Z	2
A0B04S2 A0B04S3	Spanish language 2 Spanish language 3	Z	2
A0B04S3	Spanish Language 4	Z	2
A0M13DIP	Diploma Thesis	Z	25
	comprehensive work for the Master's degree study program. A student will choose a topic from a range of topics related to his or her		
specified by	branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	nsive final examina	ition.
A0M14DIP	Diploma Project	Z	25
A0M15DIP	Master's thesis	Z	25
A0M16DIP	Diploma thesis	Z	25
A0M17DIP	Diploma Thesis	Z	25
-	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h Inch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensiv	-	
be specified by big	projects deals with microwave technique, antennas, propagation, optical communications, EMC, and medical applications.	e iiriai examinatio	п. Бірібіпа
A0M31DIP	Diploma Thesis	Z	25
A0M33DIP	Diploma Thesis	Z	25
A0M34DIP	Diploma Thesis	Z	25
	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h		
	y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehension		
A0M35DIP	Diploma Thesis	Z	25
•	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh	-	I
A0M36DIP	Diploma Thesis	Z	25
A0M37DIP	Diploma Thesis Diploma Thesis	Z	25
	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h		
	y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehension		I

A0M38DIP	Diploma Thesis	Z	25
Independent final	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or	her branch of study	y, which will
be specified l	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh	nensive final exami	nation.
A0M39DIP	Master Thesis	Z	25
A8M01ADP	Algorithms for Distributed and Parallel Systems	Z,ZK	5
A8M31APS	Audio processing and source coding	Z,ZK	5
A8M32AQT	Applied Queueing Theory	Z,ZK	6
A8M32AVL	Audio-Video Processing Lab	Z	2
A8M32NOP	Network Optimization	Z,ZK	5
A8M32VPS	Video processing and source coding	Z,ZK	5
A8M37CDC	Coding in Digital Dommunications	Z,ZK	5
A8M37CSL	Communications and Signal Processing Laboratory	Z	2
A8M37RSY	Radio Systems	Z,ZK	5
A8M37WDC	Wireless Digital Communications	Z,ZK	5
ADIP25	Diploma Thesis	Z	25
_	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or	I	I
be specified I	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprel	nensive final exami	nation.
AE0B04C0	Czech Language 0	Z	2
The course is aime	d towards ERASMUS students - especially beginners. The course is taught on the basis of English language support. The goal of th	e course is to give	the students
first hand information	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases need	ded for everyday cor	mmunication
	during their stay in the Czech Republic.		
B0M16FI2	Philosophy 2	Z,ZK	4
	The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.	·	
B0M16HSD	History of economy and social studies	Z,ZK	4
This subject deals	s with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech po	•	on, its aims
	and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical	<u>, </u>	Т
B0M16HT2	History of science and technology 2	Z,ZK	4
•	s historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stud		•
raditions of the su	bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life	and the influence	of technica
Dal 44 al 400	engineers	7 71	T .
B0M16MPS	Psychology	Z,ZK	4
B0M16TE1	Theology	Z,ZK	4
	des to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture	•	
ire gorie inrough.	Fhe subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones wh - religion from which graws our civilization up.	io wani io get know	Christianit
TV-V1	Physical education	Z	1
TVKLV	Physical Education Course	Z	0
	•	Z	-
TVKZV	Physical Education Course		0
TVV	Physical education	Z	0
TVV0	Physical education	Z	0

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-08-23, time 21:11.