Study plan

Name of study plan: Otevřené 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

	and Course of this group of Claudy Flam Course Harmon Expression Flam Course					
A0M13DIP	Diploma Thesis	Z	25			
Independent 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 department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.						
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 examin	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 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 comprehensive final examination.					
A0M35DIP	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.		
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	РО
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	РО

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

Algorithms for Distributed and Parallel Systems	Z,ZK	5
Wireless Digital Communications	Z,ZK	5
Coding in Digital Dommunications	Z,ZK	5
Audio-Video Processing Lab	Z	2
Communications and Signal Processing Laboratory	Z	2
Network Optimization	Z,ZK	5
Radio Systems	Z,ZK	5
Applied Queueing Theory	Z,ZK	6
Audio processing and source coding	Z,ZK	5
Video processing and source coding	Z,ZK	5
	Wireless Digital Communications Coding in Digital Dommunications Audio-Video Processing Lab Communications and Signal Processing Laboratory Network Optimization Radio Systems Applied Queueing Theory Audio processing and source coding	Wireless Digital Communications Coding in Digital Dommunications Z,ZK Audio-Video Processing Lab Communications and Signal Processing Laboratory Z Network Optimization Radio Systems Applied Queueing Theory Audio processing and source coding Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK

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

B0M16FI2	Philosophy 2	Z,ZK	4				
The course is oriente	on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.						
B0M16HT2	History of science and technology 2	Z,ZK	4				
This subject traces hi	storical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate s	tudents' interest in	n the history and				
traditions of the subje	ct, while highlighting the developments in technical education and professional organizations, the process of shaping scientific	life and the influe	nce of technical				
engineers							
B0M16HSD	History of economy and social studies	Z,ZK	4				
This subject deals wit	h the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech	political represen	tation, its aims				
and achieved results	and achieved results as well as the social, economical, technical and cultural development and convistance of the various ethnical groups						

 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

A0B04N1	German language 1 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04N2	German language 2 Petra Juna Jennings Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04N3	German language 3 Petra Juna Jennings 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 Petra Juna Jennings	Z	2	2C	Z,L	V
A0B04CAE2	Certificate of Advanced English CAE 2 Pavla Péterová Petra Juna Jennings (Gar.)	Z	2	2C	Z,L	V
A0B04CAE3	Certificate of Advanced English CAE 3 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
A0B04FCE3	FCE 3 Petra Juna Jennings	Z	2	2C	Z,L	V
A0B04PZP	Preparation for stay in Germany 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 Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04R4	Russian language 3 Jitka Pinková Petra Juna Jennings (Gar.)	Z	2	2C	*	V
A0B04KS1	Spanish conversation 1 Petra Juna Jennings 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		<u> </u>			Z	2
The aim of this course is	to extend and complement grammatical patterns covered in other English courses that a		l-time stude	nts. The cou	ı	
	who have not yet passed the B2 examination and are interested in further study and addi	попагргаспсе.			7	
1	English Conversation 2 for students who want to develop their communication skills. Students will be given the opposite the students will be given the students will be given the opposite the students will be given the students will be given the students will be given the opposite the students will be given the st	nortunity to use th	ie vocabular	y they alread	Z dv.know.as.w	2 ell as learn
-	to communicate on a variety of topics and themes. This course is not designed for beginn		o vocabuidi	y uney allea	uy niiUW, as W	ui as ieall
	Technical English Course				Z	2
				1	- 1	_

This course is designed for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare students to be able to communicate about technical subject 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 different types of texts: an abstract, a short explanatory article, and a research article. Czech Language 0 The course is aimed towards ERASMUS students - especially beginners. The course is taught on the basis of English language support. The goal of the course is to give the students first hand information about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed for everyday communication during their stay in the Czech Republic. A0B04CIN Z 2 Z A0B04KF1 2 French conversation 1 Z A0B04KF2 2 French conversation 1 A0B04F1 French language 1 Z 2 A0B04F2 French language 2 Z 2 A0B04F3 Ζ 2 French Language 3 A0B04JAP 2 Japanese Ζ

A0B04GN	German Grammar	Z	2
A0B04KN	German Conversation	Z	2
A0B04KN2	German conversation 2	Z	2
A0B04N1	German language 1	Z	2
A0B04N2	German language 2	Z	2
A0B04N3	German language 3	Z	2
A0B04N3	Professional German	Z	2
		Z	
A0B04CAE1	Certificate of Advanced English CAE 1 e is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE1 covers		2
	nguage skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is ba	•	•
	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		•
	ers who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countri	-	_
	take CAE at British Council.		
A0B04CAE2	Certificate of Advanced English CAE 2	Z	2
	e is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE2 covers	I	l
	nguage skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is ba	-	-
the ability to use the	anguage in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be	able to understan	d 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 cours	es taught and ass	essed in Engl
as well as by employ	ers who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countri	es. It is possible b	ut not necess
or 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 cours	is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE3 covers	unit 9 - 12. Studyir	ng for CAE he
you to improve your	anguage 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	
A0B04FCE1	FCE 1	Z	2
	for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Eu	ı ropean Language	Frame. The
	proving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtain		
B2 ELF.		g alo roquilou	
A0B04FCE2	FCE 2	Z	2
	ior students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Eu	_	l
	proving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtai		
B2 ELF.	proving an anguage come and grounding, occasing, and any grain and province and a common of the grain of common	g alo loquilou	
A0B04FCE4	FCE4	7	2
	ior 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		
B2 ELF.	proming an language of the mining, speaking, reading, notering, grammar and promotion and to castimize to the goal of obtain	g alo loquilou	
A0B04FCE3	FCE 3	Z	2
	ior students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Co	1	
	iges (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetic		l
		-	ramework of
obtaining the require		-	ramework of
	skills needed for B2 CEFR.	s - and is submitte	Framework of ed to the goal
A0B04PZP	skills needed for B2 CEFR. Preparation for stay in Germany	s - and is submitte	Framework of ed to the goal
A0B04PZP A0B04RET	Skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric	z - and is submitted	Framework of ed to the goal
A0B04PZP A0B04RET The objective of the s	Skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Under the communicative will be communicative will	zs - and is submitted Z Z Z the prospective e	Framework of ed to the goal 2 2 ngineers and
A0B04PZP A0B04RET The objective of the stachelors. This subjective	Skills needed for B2 CEFR. Preparation for stay in Germany Rhetoric Under the students of the students to develop both spoken and written presentations, non verbal communication and remove the psychological states.	zs - and is submitted Z Z Z the prospective e	Framework of ed to the goal 2 2 ngineers and
A0B04PZP A0B04RET The objective of the spachelors. This subjections that the students is	Rhetoric ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of ct 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 Z the prospective elogical barriers for	Framework of ed to the goal 2 2 ngineers and r public speak
A0B04PZP A0B04RET The objective of the spachelors. This subjective of that the students of the	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 at 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. Russian conversation	Z Z the prospective elogical barriers for	Framework of ed to the goal 2 2 ngineers and r public speak
A0B04PZP A0B04RET The objective of the spachelors. This subjector that the students A0B04KR A0B04KR2	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. Russian conversation Russian conversation 2	Z Z the prospective ellogical barriers for	Framework of ed to the goal 2 2 ngineers and r public speak
A0B04PZP A0B04RET The objective of the spacehelors. This subjective of the spacehelors of the students of the	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 conversation are create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1	Z Z the prospective ellogical barriers for	Framework of ed to the goal 2 2 ngineers and r public speak 2 2 2
A0B04PZP A0B04RET The objective of the spacehelors. This subjective of the spacehelors of the students of the	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. Russian conversation Russian conversation 2	Z Z the prospective ellogical barriers for	Framework of ed to the goal 2 2 ngineers and r public speak
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A0B04PZP A0B04RET The objective of the spaceholors. This subjective of that the students of A0B04KR A0B04KR2 A0B04R1 A0B04R2 A0B04R3	Rhetoric ubject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of at 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. Russian conversation Russian conversation 2 Russian language 1 Russian language 3	Z Z the prospective e logical barriers for Z Z Z Z Z Z Z Z	Framework of ed to the goal 2 2 ngineers and r public speak 2 2 2 2 2 2
A0B04PZP A0B04RET The objective of the stackelors. This subjective of the stackelors and the students of the stackelors. A0B04KR A0B04KR2 A0B04R1 A0B04R2 A0B04R3 A0B04R4	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 at 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. Russian conversation Russian conversation 2 Russian language 1 Russian language 3 Russian language 3 Russian language 3	Z Z the prospective elogical barriers for Z Z Z Z Z Z Z Z Z Z	ramework of ed to the goal 2 2 ngineers and r public speak 2 2 2 2 2 2 2 2
A0B04PZP A0B04RET The objective of the spaceholors. This subjector that the students of the spaceholors of the spaceholors. This subjector that the students of the students o	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 psycholan create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 2 Russian language 3 Russian language 3 Spanish conversation 1	Z Z the prospective elogical barriers for Z Z Z Z Z Z Z Z Z Z Z	Framework of ed to the goal 2 2 2 2 2 2 2 2 2 2 2 2
A0B04PZP A0B04RET The objective of the stackelors. This subjective of the stackelors. This subjective of the stackelors. This subjective is that the students of the stackelors. A0B04KR A0B04KR2 A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04KS1 A0B04KS2	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 psycholor create a good image. The course "Retorika" provides an introduction to this subject. Russian conversation Russian conversation 2 Russian language 1 Russian language 2 Russian language 3 Spanish conversation 1 Spanish conversation 2	Z Z the prospective ellogical barriers for	ramework of ed to the goal 2 2 ngineers and r public speak 2 2 2 2 2 2 2 2 2 2
A0B04PZP A0B04RET The objective of the statements of the students of the stude	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 conversation and conversation and remove the psychological conversation. Russian conversation 2 Russian language 1 Russian language 2 Russian language 3 Russian language 3 Spanish conversation 1 Spanish conversation 2 Spanish language 1	Z Z the prospective ellogical barriers for Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Framework of ed to the goal 2 2 ngineers and r public speak 2 2 2 2 2 2 2 2 2 2 2
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Code of the group: MTV

A0B04CA

Name of the group: Physical education

Technical English for Pre-Intermediate

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
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

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 CAE 2 Z 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 Comi	•	
Reference for Lang	uages (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetics -	and is submitted to	the goal of
A0004E0E4	obtaining the required skills needed for B2 CEFR. FCE4	-	
A0B04FCE4	FUE4 ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euro	Z	2
	mproving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining		
	B2 ELF.	ano roquirou orano	
A0B04GA		Z	2
The aim of this cou	urse is to extend and complement grammatical patterns covered in other English courses that are intended for full-time students. The	course is meant r	nainly as a
	supplement for students who have not yet passed the B2 examination and are interested in further study and additional pract		
A0B04GN	German Grammar	Z	2
A0B04JAP	Japanese	Z	2
A0B04KA	English Conversation 2	Z	2
The course is designated	gned for students who want to develop their communication skills. Students will be given the opportunity to use the vocabulary they a	ılready know, as w	ell as learn
A00041/54	new words and phrases, to communicate on a variety of topics and themes. This course is not designed for beginners.	-	0
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 sub	ject matter in English in a variety of formats. This will be practiced by examining the structure and style of writing in formal English and of texts: an abstract, a short explanatory article, and a research article.	practicing via 3 dir	terent types
A0B04ON	Professional German	Z	2
A0B04PZP	Preparation for stay in Germany	Z	2
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	Z	2
	ne subject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of th		
	ject will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic		
	so that the students can create a good image. The course "Retorika" provides an introduction to this subject.		
A0B04S1	Spanish language 1	Z	2
A0B04S2	Spanish language 2	Z	2
A0B04S3	Spanish language 3	Z	2
A0B04S4	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		
	branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehen		
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 I anch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensi	-	
be specified by bit	projects deals with microwave technique, antennas, propagation, optical communications, EMC, and medical applications		π. Ειριστία
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 compreh		
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		
A0M36DIP	Diploma Thesis	Z	25
A0M37DIP	Diploma Thesis	Z 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 l y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh	-	
	,		

	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		•
· .	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehe		
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
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 h	er branch of stud	ly, which will
be specified b	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehe	ensive final exam	ination.
AE0B04C0	Czech Language 0	Z	2
The course is sime	d towards ERASMUS students - especially beginners. The course is taught on the basis of English language support. The goal of the	course is to give	the students
	. , , , , , , , , , , , , , , , , , , ,	•	
	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neede	•	
first hand informatio	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic.	ed for everyday co	mmunication
	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2	•	
first hand information	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.	ed for everyday co	ommunication 4
B0M16FI2 B0M16HSD	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies	Z,ZK	ommunication 4
B0M16FI2 B0M16HSD	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pol	Z,ZK Z,ZK itical representat	ommunication 4
B0M16FI2 B0M16HSD This subject deals	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech poland achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical	Z,ZK Z,ZK itical representat groups.	4 4 ion, its aims
B0M16FI2 B0M16HSD This subject deals B0M16HT2	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech poland achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2	Z,ZK Z,ZK itical representat groups. Z,ZK	4 4 ion, its aims
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B0M16FI2 B0M16HSD This subject deals B0M16HT2 This subject traces	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases neededuring their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech poland achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2	Z,ZK Z,ZK itical representat groups. Z,ZK nts' interest in the	4 4 ion, its aims 4 e history and
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B0M16FI2 B0M16HSD This subject deals B0M16HT2 This subject traces traditions of the sul	n about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed during their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pol and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers Psychology	Z,ZK Z,ZK itical representat groups. Z,ZK At the control of th	4 4 ion, its aims 4 e history and e of technical
BOM16FI2 BOM16FISD This subject deals BOM16HT2 This subject traces traditions of the sul BOM16MPS BOM16TE1	on about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed a during their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech poland achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers	Z,ZK Z,ZK itical representat groups. Z,ZK and the influence Z,ZK Z,ZK	4 4 4 ion, its aims 4 e history and e of technical 4 4 4
BOM16FI2 BOM16FISD This subject deals BOM16HT2 This subject traces traditions of the sul BOM16MPS BOM16TE1 This subject provice	In about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed during their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pol and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers Psychology Theology	Z,ZK Z,ZK itical representat groups. Z,ZK and the influence Z,ZK Z,ZK and the basic theologi	4 4 ion, its aims 4 e history and e of technical 4 4 c disciplines
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BOM16FI2 BOM16FISD This subject deals BOM16HT2 This subject traces traditions of the sul BOM16MPS BOM16TE1 This subject provice	In about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed during their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pol and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers Psychology Theology des to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture to the subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who	Z,ZK Z,ZK itical representat groups. Z,ZK and the influence Z,ZK Z,ZK and the basic theologi	4 4 ion, its aims 4 e history and e of technical 4 4 c disciplines
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BOM16FI2 BOM16FISD This subject deals BOM16HT2 This subject traces traditions of the sul BOM16MPS BOM16MPS BOM16TE1 This subject provic are gone through. T	In about pronunciation, vocabulary and grammar structure of the Czech language, and also provide them with basic useful phrases needed during their stay in the Czech Republic. Philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pole and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers Psychology Theology des to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture to the subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who religion from which graws our civilization up. Physical education	Z,ZK Z,ZK itical representat groups. Z,ZK nts' interest in th and the influence Z,ZK Z,ZK z,ZK z,ZK z,ZK z,ZK b sasic theologic or want to get known z	4 4 e history and e of technical 4 4 c disciplines w Christianity
BOM16FI2 BOM16FI2 BOM16HSD This subject deals BOM16HT2 This subject traces traditions of the sul BOM16MPS BOM16MPS BOM16TE1 This subject provic are gone through. T TV-V1 TVKLV	The course is oriented on the transdisciplinar aspects of philosophy 2 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. History of economy and social studies with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech pol and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical History of science and technology 2 historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers Psychology Theology des to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture to the subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who religion from which graws our civilization up. Physical Education Physical Education Course	Z,ZK Z,ZK itical representat groups. Z,ZK nts' interest in thand the influence Z,ZK z,ZK and the old influence Z,ZK z,ZK pe basic theologi of want to get know Z Z	4 4 4 e history and e of technical 4 C disciplines w Christianity 1 0

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-12-07, time 17:57.