Recomended pass through the study plan

Name of the pass: Open Electronic Systems - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Pass through the study plan: Open Electronic Systems Branch of study guranteed by the department: Common courses Guarantor of the study branch: Program of study: Open Electronic Systems Type of study: Bachelor full-time Note on the pass:

Coding of roles of courses and groups of courses:

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

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

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

	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
A8B14ADP	Algorithm Development and Programming Stanislav Vítek, Radek Havlí ek, Ji í Zd nek Stanislav Vítek Stanislav Vítek (Gar.)	Z,ZK	5	2P+2C	Z	Ρ
BEZB	Safety in Electrical Engineering for a Bachelor's Degree Radek Havlí ek, Ivana Nová, Vladimír K la Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z,L	Ρ
A8B01DMG	Discrete Math.& Graphs Marie Demlová Marie Demlová (Gar.)	Z,ZK	5	3P+1S	Z	Р
A8B01LAG	Linear Algebra Ji í Velebil, Jakub Rondoš Ji í Velebil Ji í Velebil (Gar.)	Z,ZK	7	4P+2S	Z	Ρ
A8B01MC1	Mathematics-Calculus1 Martin K epela, Josef Tkadlec Josef Tkadlec (Gar.)	Z,ZK	7	4P+2S	Z	Р
BEZZ	Basic Health and Occupational Safety Regulations Radek Havlí ek, Ivana Nová, Vladimír K la Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	z	Ρ
A8B17CAS	Computer Algebra Systems (CAS) Miloslav apek Miloslav apek (Gar.)	Z	2	1P+1C	Z	PO
A8B32IES	Introduction to Electronic Systems Stanislav Vítek, Pavel Hazdra, Zbyn k Škvor, Pavel Zahradník, Jan Sýkora, Ji í Hospodka Zbyn k Škvor Zbyn k Škvor (Gar.)	Z	2	0P + 2L	Z	PO
2020_BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/139			V

Number of seme	ester: 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
B0B04B2Z	English language B2 - exam Petra Juna Jennings, Michael Ynsua, Markéta Havlí ková, Dana Saláková Petra Juna Jennings Petra Juna Jennings (Gar.)	Z,ZK	0	0C	Z,L	Ρ
B0B01DRN	Differencial Equations and Numerical Analysis Jakub Rondoš, Petr Habala, Jakub Stan k, Daniel Gromada, Josef Dvo ák Petr Habala Petr Habala (Gar.)	Z,ZK	4	2P+2C	L	Ρ
B2B02FY1	Physics 1 Petr Kulhánek, Petr Koní ek Petr Kulhánek Petr Kulhánek (Gar.)	Z,ZK	8	4P+1L+2C	L	Р
A8B01MCM	Mathematics-Calculus m-D Martin Bohata, Jaroslav Tišer Martin Bohata Jaroslav Tišer (Gar.)	Z,ZK	7	4P+2S	L	Ρ
A8B37DIT	Digital Design Petr Skalický Stanislav Vítek Stanislav Vítek (Gar.)	Z,ZK	5	2P+2C	L	PO
A8B17EFC	Electrical Field and Circuits Zbyn k Škvor, Radoslav Bortel Zbyn k Škvor Zbyn k Škvor (Gar.)	KZ	4	2P+1S	L	PO
2020_BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max			V

		8/139		
-				

Number of seme	ster: 3					
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B2B02FY2	Physics 2 Petr Kulhánek, Petr Koní ek Petr Kulhánek Petr Kulhánek (Gar.)	Z,ZK	7	3P+1L+2C	Z	Р
A8B01MCT	Mathematics-Complex Variable and Integral Transforms Martin Bohata, Hana Tur inová Martin Bohata Martin Bohata (Gar.)	Z,ZK	7	4P+2S	Z	Р
B0B01PST	Probability and Statistics Kate ina Helisová Kate ina Helisová Petr Hájek (Gar.)	Z,ZK	7	4P+2S	Z	Р
A8B17EMTA	Electromagnetic Field Theory Zbyn k Škvor, Lukáš Jelínek Lukáš Jelínek (Gar.)	Z,ZK	7	4P+2S	Z	PO
2020_BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/139			V

Number of seme	ster: 4					
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
A8B01AMA	Advanced Matrix Analysis Martin K epela Ji í Velebil Ji í Velebil (Gar.)	Z,ZK	4	3P+1S	L	Р
A8B01OGT	Optimization and Game Theory Martin Bohata Martin Bohata Martin Bohata (Gar.)	Z,ZK	4	3P+1S	L	Р
A8B34SST	Solid State Physics Jan Voves Jan Voves (Gar.)	Z,ZK	4	3P+1C	L	PO
A8B37SAS	Signals and Systems Jan Sýkora, Karel Fliegel, Pavel Puri er Karel Fliegel Jan Sýkora (Gar.)	Z,ZK	8	4P+2C	L	PO
A8B31CIR	Circuit Theory Ji í Hospodka Ivan Zemánek Ivan Zemánek (Gar.)	Z,ZK	8	4P+2S	L	PO
2020_BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/139			V

Number of seme	ster: 5					
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
A8B31AAC	Analog and Active Circuits Ji í Hospodka Ji í Hospodka Ji í Hospodka (Gar.)	Z,ZK	6	3P+2S	Z	PO
A8B37DCMA	Digital Communications Jan Sýkora Jan Sýkora Jan Sýkora (Gar.)	Z,ZK	6	3P+1C	Z	PO
A8B32DSP	Digital Signal Processing Pavel Zahradník, Boris Šimák Boris Šimák Pavel Zahradník (Gar.)	Z,ZK	5	3P + 1L	Z	PO
A8B34EOD	Electronic and Optoelectronic Devices Pavel Hazdra Pavel Hazdra Pavel Hazdra (Gar.)	Z,ZK	6	3P+2L	Z	PO
A8BPROJ2	Project Lubor Jirásek, Pavel Máša, Ivan Pravda, František Rund, Jan Šístek	Z	2	0P+2S	Z,L	PO
A8B32DNT	Data Networks Theory Leoš Bohá , Zden k Be vá , Pavel Mach, Mostafa Kishanifarahani Zden k Be vá Zden k Be vá (Gar.)	Z,ZK	5	3P + 1L	z	PO

Number of seme	ster: 6					
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
BBAP15	Bachelor thesis	Z	15	15s	L,Z	Р
A8B17ELD	Electrodynamics Zbyn k Škvor, Lukáš Jelínek Lukáš Jelínek Lukáš Jelínek (Gar.)	Z,ZK	5	3P+1S	L	PO
A8B38EME	Electronic Measurements Jan Holub, Jakub Svatoš Jakub Svatoš Jan Holub (Gar.)	KZ	4	2P+1L	L	PO

A8B37SSP	Statistical Signal Processing Jan Sýkora, Pavel Sovka Jan Sýkora Jan Sýkora (Gar.)	Z,ZK	6	4P+0C	L	PO	
----------	--	------	---	-------	---	----	--

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

Kód		Name of the group o group (for specificat	f courses and on see here c	I codes of members of this or below the list of courses)	Completio	on Credi	ts Scope	Semester	Role
2020_BO	ESHEM	Humanitní, ek	onomicko-ma	nažerské p edm ty		Min/M 8/13			v
BE9M04AKP	Academic	Writing	B3B04PSA	Academic Writing	A0B04	GÁ			·
A0B04KA	English Co	onversation 2	A0B04KA2	English Conversation 2	A0B04	-OA	Technical Eng	lish Course	
A0B04C2Z	Czech lang	guage 2	A0B04C2L	Czech language 2	A0B04	CIN			
A0B04CIN2	Chinese La	anguage 2	A0B16EPD	Business economics	B0B16	ET1	Ethic 1		
B0B16FIL	Philosophy	/	B0B16FI1	Philosophy 1	A0B04	KF1	French conve	rsation 1	-
A0B04KF2	French cor	nversation 1	A0B04F1	French language 1	A0B04	F2	French langua	age 2	
A0B04F3	French Lar	nguage 3	B0B39GRT	Graphical Design	B0B16	HTE	History of tec	nnology and ec	onom
B0B16HT1	History of	science and technolog	B0B16HI1	History 1	A0B04	JAP	Japanese		-
A0B04JAP2	Japanese	2	A1B16MME	Macro and Microeconomics	B0B16	MPS	Psychology		
A0B04GN	German G	rammar	A0B04KN	German Conversation	A0B04	KN2	German conv	ersation 2	
A0B04N1	German la	nguage 1	A0B04N2	German language 2	A0B04	N3	German lang	Jage 3	-
A0B04ON	Profession	al German	BE9M04PRE	Presentation Skills	B6B04	PRE	Presentation		
A0B16PRS	Presentatio	on skills	A0B04CAE1	Certificate of Advanced English	A0B04	CAE2	Certificate of	Advanced Engli	sh
A0B04CAE3	Certificate	of Advanced English	A0B04FCE1	FCE 1	A0B04	FCE2	FCE 2		
A0B04FCE4	FCE4		A0B04FCE3	FCE 3	A0B04	PZP	Preparation for	or stay in Germa	iny
B0B16MPL	Psycholog	y for managers	A0B04RET	Rhetoric	A0B04	KR2	Russian conv	ersation 2	-
A0B04R1	Russian la	nguage 1	A0B04R2	Russian language 2	A0B04	R3	Russian langu	Jage 3	-
A0B04R4	Russian la	nguage 3	A0B04KS1	Spanish conversation 1	A0B04	KS2	Spanish conv	ersation 2	
A0B04S1	Spanish la	nguage 1	A0B04S2	Spanish language 2	A0B04	S3	Spanish lange	lage 3	-
A0B04S4	Spanish La	anguage 4	A0B04CA	Technical English for Pre-Interm	A003T	V	Physical Educ	ation	

List of courses of this pass:

Code	Name of the course	Completion	Credits
A003TV	Physical Education	Z	2
A0B04C2L	Czech language 2	Z	2
The course	e is aimed at foreign students studying in Czech, it further develops their language knowledge and skills to meet the needs of technic	al university stude	nts.
A0B04C2Z	Czech language 2	Z	2
The cours	e is aimed at foreign students studying in Czech, it further develops their language knowledge and skills to meet the needs of technic	al university stude	nts
A0B04CA	Technical English for Pre-Intermediate	Z	2
A0B04CAE1	Certificate of Advanced English CAE 1	Z	2
The aim of the cou	rse is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE1 covers uni	ts 1-4. Studying for	r CAE helps
you to improve you	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 a	nd indicates
the ability to use t	he language in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be ab	le to understand ar	nd produce
	es. CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for courses to	•	•
as well as by emplo	overs who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries. I	t is possible but no	t necessary
	for obtaining credit to take CAE at British Council.		
A0B04CAE2	Certificate of Advanced English CAE 2	Z	2
	rse is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE2 covers uni	, ,	
	language skills (reading, writing, English in use, listening and speaking) and use them in a wide range of contexts. The exam is based		
-	he language in practical situations. You will be able to participate in meetings and discussions, expressing opinions clearly and be ab		
	es. CAE is recognised by the majority of universities in English speaking countries as proof of adequate language skills for courses to	•	•
as well as by emplo	byers who require knowledge of a foreign language. CAE is taken by more than 60 000 people each year in more than 60 countries. I	•	t 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 cou	rse is to prepare for Certificate of Advanced English - the second highest level Cambridge ESOL exam. The course CAE3 covers unit		r CAE helps
	you to improve your language skills (reading, writing English in use, listening and speaking) and use them in a wide range of co		
A0B04CIN		Z	2
A0B04CIN2	Chinese Language 2	Z	2
A0B04F1	French language 1	Z	2
A0B04F2	French language 2	Z	2
A0B04F3	French Language 3	Z	2

A0B04FCE1			1
The source is oir	FCE 1		2
	ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euro improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining B2 ELF.		
A0B04FCE2	FCE 2	Z	2
	ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euro	pean Language	Frame. The
ourse focuses on i	improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining B2 ELF.	the required ski	lls needed fo
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		
	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.		
A0B04FCE4	FCE4	Z	2
	ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Euro improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining B2 ELF.		
A0B04GA		Z	2
1	urse is to extend and complement grammatical patterns covered in other English courses that are intended for full-time students. The	-	1
	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
A0B04JAP2	Japanese 2	Z	2
A0B04KA	English Conversation 2	Z	2
	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.		1
A0B04KA2	English Conversation 2	Z	2
	gned for students who want to develop their communication skills. Students will be given the opportunity to use the vocabulary they a	_	1
	hrases, to communicate on a variety of topics and themes. The course is generally designed as a follow-up to the Conversation One presented there; however, attending Conversation One is not a pre-requisite. This course is not designed for beginners.	-	
A0B04KF1	French conversation 1	Z	2
A0B04KF2	French conversation 1	Z	2
A0B04KN	German Conversation	Z	2
A0B04KN2	German conversation 2	Z	2
A0B04KR2		Z	2
A0B04KK2	Russian conversation 2	Z	
	Spanish conversation 1		
	•		2
A0B04KS2	Spanish conversation 2	Z	2
A0B04KS2 A0B04N1	Spanish conversation 2 German language 1	Z Z	2
A0B04KS2 A0B04N1 A0B04N2	Spanish conversation 2 German language 1 German language 2	Z Z Z	2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3	Spanish conversation 2 German language 1 German language 2 German language 3	Z Z Z Z	2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course	Z Z Z Z Z	2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig	Spanish conversation 2 German language 1 German language 2 German language 3	Z Z Z Z z ents to be able to	2 2 2 2 2 communica
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course Ined for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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	Z Z Z Z z ents to be able to	2 2 2 2 2 communica
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course and for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare studed 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.	Z Z Z Z ents to be able to practicing via 3 d	2 2 2 2 communica
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German	Z Z Z Z ents to be able to practicing via 3 of Z	2 2 2 2 communica different type
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design pout technical sub A0B04ON A0B04PZP	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1	Z Z Z Z ents to be able to practicing via 3 of Z Z	2 2 2 2 2 2 communica different typ 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2	Z Z Z Z ants to be able to practicing via 3 o Z Z Z	2 2 2 2 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3	Z Z Z Z ents to be able to practicing via 3 of Z Z Z Z Z Z	2 2 2 2 2 2 communica different type 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3	Z Z Z Z ents to be able to practicing via 3 of Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 communica different type 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course Ined for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Rhetoric	Z Z Z Z ants to be able to practicing via 3 of practicing via 3 of Z Z Z Z Z Z z e prospective en cal barriers for pu	2 2 2 2 2 2 communica different type 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Rhetoric he 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 psychologi	Z Z Z Z ents to be able to practicing via 3 of Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 communica different type 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Rhetoric he subject is to master and improve skills necessary for successful presentation, son verbal communication and remove the psychologi so that the students to develop both spoken and written presentations, non verbal communication and remove the psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject.	Z Z Z Z ants to be able to practicing via 3 of practicing via 3 of Z Z Z Z Z Z z e prospective en cal barriers for pu	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 The objective of th achelors. This sub A0B04S1	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course and for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1	Z Z Z Z ents to be able to practicing via 3 of practicing via 3 of Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of the achelors. This sub A0B04S1 A0B04S2 A0B04S3	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z z z z z z z z z z z z z z z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S2 A0B04S3 A0B04S4	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3 Spanish language 3 Spanish language 4	Z Z Z Z ants to be able to practicing via 3 d Z Z Z Z Z Z Z z z z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S2 A0B04S3 A0B04S4 A0B04S4 A0B04S4 A0B04S4	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z z e prospective en cal barriers for pu Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S2 A0B04S3 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course Ined for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3 Spanish language 4 Business economics	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S2 A0B04S3 A0B04S3 A0B04S4 A0B04 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course and for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 3 Spanish language 4 Spanish language 4 Business economics siness Economics deals with the subject from wide angle of view, discussing all particular aspects of Business Economics (see list of two, discussing all particular aspects of Business Economics (see list of two, discussing all particular aspects of Business Economics (see list of two.	Z Z Z Z ants to be able to practicing via 3 d Z Z Z Z Z Z Z z z z z z z z z z z z z	2 2 <t< td=""></t<>
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is design bout technical sub A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S1 A0B04S2 A0B04S3 A0B04S3 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S5 A0B04S4 A0B04S5 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S4 A0B04S5 A0B04S4 A0B04S5 A0 A	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Russian language 3 Rhetoric he 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 psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3 Spanish language 4 Business economics siness Economics deals with the subject from wide angle of view, discussing all particular aspects of Business Economics (see list of to of the course is to show Business Economics in its complexity. The course is focused on more practical questions than a plain theor	Z Z Z Z ants to be able to practicing via 3 d Z Z Z Z Z Z Z z z z z z z z z z z z z	2 2 <t< td=""></t<>
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of tl achelors. This sub A0B04S1 A0B04S1 A0B04S2 A0B04S3 A0B04S3 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0B04S4 A0B04S3 A0 A0	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 3 Rhetoric be subject is to master and improve skills necessary for successful presentations, non verbal communication and remove the psychologi so that the students can create a good image. The course "Retorika" provides an introduction to this subject. Spanish language 1 Spanish language 2 Spanish language 3 Spanish language 4 Bus	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z Z z z z z z z z z z z z z	2 4 relationship isions of eac each studer 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of th achelors. This sub A0B04S1 A0B04S1 A0B04S2 A0B04S3 A0 A0	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course pred for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Russian language 3 Russian language 1 Spanish language 3 Russian language 3 Russian language 3 Russian language 3 Russian language 1 Spanish language 3 Russian language 3 Russian language 3 Spanish language 1 Spanish language 2 Spanish language 2 Spanish language 3 <tr< td=""><td>Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z Z z z z z z z z z z z z z</td><td>2 4 relationship isions of eac each studer 2</td></tr<>	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z Z z z z z z z z z z z z z	2 4 relationship isions of eac each studer 2
A0B04KS2 A0B04N1 A0B04N2 A0B04N3 A0B04OA his course is desig bout technical sub A0B04ON A0B04ON A0B04PZP A0B04R1 A0B04R2 A0B04R3 A0B04R4 A0B04RET The objective of tl achelors. This sub A0B04S1 A0B04S1 A0B04S2 A0B04S3 A0B04S3 A0B04S3 A0B04S3 A0B04S3 A0B04S4 A0B16EPD asic course of Bus etween them. Aim ub-topic follow cor A0B16PRS itudents will learn the sub	Spanish conversation 2 German language 1 German language 2 German language 3 Technical English Course med for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude 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. Professional German Preparation for stay in Germany Russian language 1 Russian language 2 Russian language 3 Russian language 3 Russian language 3 Russian language 3 Russian language 3 Spanish language 1 Spanish language 1 Spanish language 2 Russian language 3 Russian language 3 Russian language 3 Russian language 3 Russian language 4 Spanish language 1 Spanish language 2 Spanish language 4 Spanish language 3 Spanish language 4 Business economics siness Economics deals with the subject from wide angle of view, discussing all particular aspects of Business Economics (see list of to of the course is to show Business Economics in its complexity. The course is focused on more practical questions than a plain theory corete practical examples. Own business plan is prepared by each student as a semestra project. The business plan plays a key role for Presentation skills to prepare and to do presentation. They will obtain skills how to prepare written documents using typographic principles and proper v They will prove gained theoretical knowledge on self prepared interactive presentation that is recorded on video and discuss	Z Z Z Z ants to be able to practicing via 3 of Z Z Z Z Z Z z e prospective en cal barriers for pu Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

A8B01AMA	Advanced Matrix Analysis	Z,ZK	4
A8B01DMG	The course covers advanced topics of linear algebra, in particular matrix factorizations and construction of matrix functions Discrete Math & Graphs	Z,ZK	5
	luces basic notions from discrete mathematics directed to those topics useful for electrical engineering studies. The content of the co	· · ·	-
	anlity of sets, binary relations with emphasis to equivalence relations and partial ordes'; integers, relation modulo n'; basic algebraic s of characteristic 2). Furher the course contains basic notions and their applications from graph theory.		
A8B01LAG	Linear Algebra	Z,ZK	7
	introductory topics of linear algebra. The main focus is on the related notions of linear spaces and linear transformations (linear indepen- terminants, inverse matrix, matrix of a linear mapping, eigenvalues). Applications include solving systems of linear equations, geome		-
	product and cross product).	(laanig aot
A8B01MC1	Mathematics-Calculus1	Z,ZK	7
	The aim of the course is to introduce students to basics of differential and integral calculus of functions of one variable.		
A8B01MCM	Mathematics-Calculus m-D	Z,ZK	7
The subject cove	rs an introduction to the differential and integral calculus in several variables and basic relations between curve and surface integrals. series and power series with application to Taylor and Fourier series.	Other part contain	is function
A8B01MCT	Mathematics-Complex Variable and Integral Transforms	Z,ZK	7
A8B01OGT	Optimization and Game Theory	Z,ZK	4
A8B14ADP	Algorithm Development and Programming	Z,ZK	5
	Introduction to algorithm design of basic and more advanced computer tasks, Digital computer structure, Introduction to the C progra		Syntax and
	c skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter		•
· · ·	ilation and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems pr		
A8B17CAS	Computer Algebra Systems (CAS)	Z	2
A8B17EFC	Electrical Field and Circuits	KZ	4
A8B17ELD	Electrodynamics ELD (electrodynamics) is a follow up of the course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition	Z,ZK	-
	uces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of	-	
	es is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized ma	-	
A8B17EMTA	Electromagnetic Field Theory	Z,ZK	7
	ainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides s	-	
-	troduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained sequent course AE8B17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialize		
A8B31AAC	Analog and Active Circuits	Z,ZK	6
	Analog and Active Oricons MAAC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function block	,	-
,	on basic semiconductor electronic components operating in linear and non-linear modes.	,	
A8B31CIR	Circuit Theory	Z,ZK	8
The subject AE8B3	ICIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects,	an electric circuit i	is presented
The subject AE8B3 as a special quasis	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind	an electric circuit i s of actual energy i	is presented interactions.
The subject AE8B3 as a special quasis The subject is spe	ICIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal	an electric circuit i s of actual energy i ysis methods of lir	is presented interactions. near circuits
The subject AE8B3 as a special quasis The subject is spe	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind	an electric circuit i s of actual energy i ysis methods of lir terization is applie	is presented interactions. near circuits
The subject AE8B3 as a special quasis The subject is spe	ITCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK	is presented interactions. near circuits
The subject AE8B3 as a special quasis The subject is spe working in steady	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory.	is presented interactions. near circuits ed on circuit
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? character transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK	is presented interactions. near circuits ad on circuit 5 5
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? character transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK	s presented interactions. hear circuits d on circuit 5 5 2
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatio	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems In subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK Z have a choice from	is presented interactions. hear circuits d on circuit 5 5 2 m this offer
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatio	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? character transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK Z have a choice from	is presented interactions. hear circuits d on circuit 5 5 2 m this offer
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatio	ItCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems In subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The subject is focused upon basics in the digital signal systems and measurements. The subject is for various schools. The subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The subject is focused upon basics in the digital and the subject is negative.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK Z have a choice from	is presented interactions. hear circuits d on circuit 5 5 2 m this offer
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems In subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu	is presented interactions. hear circuits d on circuit 5 5 2 m this offer let an idea 6 irres and
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and populations in analogue and digital electronics are examples.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structur nined. In seminars	is presented interactions. hear circuits d on circuit 5 5 2 m this offer let an idea 6 irres and s and labs,
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of the basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Oper	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structur nined. In seminars	is presented interactions. hear circuits d on circuit 5 5 2 m this offer let an idea 6 irres and s and labs,
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and extraction of device parameters. Operation o systems is then analyzed using the PSpice simulator.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu nined. In seminars f electron devices i	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and s and labs, in electronic
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd	11CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation and properties of electronic and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of the basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Operation of device characteristics and extraction of device parameters. Oper	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu nined. In seminars f electron devices i	is presented interactions. hear circuits d on circuit 5 5 2 m this offer let an idea 6 irres and s and labs, in electronic 4
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems Insubject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation or systems is then analyzed using the PSpice simulator. Solid State Physics	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu nined. In seminars f electron devices i	is presented interactions. hear circuits d on circuit 5 5 2 m this offer let an idea 6 irres and s and labs, in electronic 4
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems in subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and optoelectronic devices. Physical principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation or systems is then analyzed using the PSpice simulator. Solid State Physics and exist physics including some parts of statistical physics. The subject informs about basic principles of materials used in electron Digital Communications are caracteristics and exist projecties of materials used in electron Digital Communications are of a set of decoding. The subject informs about basic principles of decoding. The subject informs about basic principles of decoding. The subject informs about basic principles of operation or systems is then analyzed using the PSpice simulator. Dispital Communications theory: modulation, classical coding, channel models, and basic principles of decodin	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu mined. In seminars f electron devices i Z,ZK ics, esp. about sem Z,ZK ne exposition is sys	is presented interactions. hear circuits id on circuit 5 5 2 m this offer yet an idea 6 irres and in electronic 4 iconductors. 6 stematically
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing. Introduction to Electronic Systems and methods for digital signal processing. Introduction to Electronic Devices reveal themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronics are explained together with adequate models for small- and large-signal. Basic applications in analogue and digital electronics are exalueed to basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation or systems is then analyzed using the PSpice simulator. Solid State Physics for subject and state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The subject informs about basic principles of decoding. The subject informs about the reveal all inner connections and principles. This allows students to develop the knowledge and use it in a processing and the physics. The subject informs about basic principles of decoding.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices i Z,ZK ics, esp. about sem Z,ZK ne exposition is sys in active way in a comparison of the second system of the system	is presented interactions. hear circuits id on circuit 5 5 2 m this offer yet an idea 6 irres and is and labs, in electronic 4 iconductors. 6 stematically design and
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind- cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems in subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation of systems is then analyzed using the PSpice simulator. Solid State Physics d on solid state physics including some parts of statistical physics. The subject informs about basic properties of materials used in electron Digital Communications es fundamentals of digital communications and principles. This allows students to develop the knowledge and use it in a of the communication systems. The course provides a necessary fundamental background for subsequent more advanced communi-	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu mined. In seminars f electron devices i Z,ZK ics, esp. about sem Z,ZK ne exposition is sys n active way in a c cations theory cou	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and s and labs, in electronic 4 iconductors. 6 stematically design and urses.
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT	ATCIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charace transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing. Introduction to Electronic Systems and methods for digital signal processing. Introduction to Electronic Devices reveal themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronics are explained together with adequate models for small- and large-signal. Basic applications in analogue and digital electronics are exalueed to basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation or systems is then analyzed using the PSpice simulator. Solid State Physics for subject and state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The subject informs about basic principles of decoding. The subject informs about the reveal all inner connections and principles. This allows students to develop the knowledge and use it in a processing and the physics. The subject informs about basic principles of decoding.	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu mined. In seminars f electron devices i Z,ZK ne exposition is sys n active way in a c cations theory cou Z,ZK	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and a and labs, in electronic 4 iconductors. 6 stematically design and urses. 5
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this course	ACIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind- cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation of systems is then analyzed using the PSpice simulator. Solid State Physics d on solid state physics including some parts of statistical physics. The subject informs about basic principles of materials used in electron systems is theory munications theory: modulation, classical coding, channel models, and basic principles of decoding. Th oreficial lines which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in a of the communication systems. The course provides a necessary fundamental background for subsequent more advanced communic Digital Design	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices i Z,ZK ne exposition is sys n active way in a c cations theory cou Z,ZK ts, their functional	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and s and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this course mathematical and elements, fir	11 CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind: cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation o systems is then analyzed using the PSpice simulator. Solid State Physics do n solid state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The ortical all physics. The subject informs about basic principles of decoding. The ortical lines which allow to reveal all inner connections and principles. This	an electric circuit is of actual energy is ysis methods of lir terization is applie terization is applie terization is applie T,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices i Z,ZK ics, esp. about sem Z,ZK ne exposition is sys in active way in a c cations theory cou Z,ZK ts, their functional ented. Karnaugh r design of digital cir	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and a and labs, in electronic 4 icconductors. 6 stematically design and urses. 5 blocks. Both maps, latch cuits.
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivation based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this cour mathematical and elements, fir A8B37SAS	11 CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind: cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems in subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation or systems is then analyzed using the PSpice simulator. Solid State Physics and digital electronic or systems about basic properties of materials used in electron Digital Communications and measurements to device parameters. Operation or bigital Communications stheory: modulation, classical coding, channel models, and basic principles of decoding. The content and systems. The course provides a necessary fundamental background for subsequent more advanced communication systems. The course provides a necessary fundamental background for subsequent more advanced communication function is application for oubjust and iransient functions of digital components and circu	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from the next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices i Z,ZK te exposition is system Z,ZK te exposition is system Z,ZK ts, their functional ented. Karnaugh r design of digital cir Z,ZK	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 ires and a and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both maps, latch cuits. 8
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivation based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this cour mathematical and elements, fir A8B37SAS	In CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind- cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems Instroduction to Electronic Systems In subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation of systems is then analyzed using the PSpice simulator. Solid State Physics do no solid state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The sortical for subsequent more advanced communication systems. The course provides an encessary fundamental background for subsequent more advanced communicational systems. The course provides an encessary fundamental background for subsequent more advanced communic functional description, as well as minimization algorithms for output and transient functions of digital components an	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from the next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices i Z,ZK te exposition is system Z,ZK te exposition is system Z,ZK ts, their functional ented. Karnaugh r design of digital cir Z,ZK	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 ires and a and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both maps, latch cuits. 8
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this cour mathematical and elements, fir A8B37SAS Continuous and dis	In CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind- cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schols. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation about the scope of the vice simulation, measurement of device characteristics and extraction of device parameters. Operation o systems is then analyzed using the PSpice simulator. Solid State Physics Solid State Physics do n solid state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The sortical ines which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in a of the communication systems. T	an electric circuit i s of actual energy i ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from ne next goal is to g Z,ZK ion, device structu mined. In seminars f electron devices i Z,ZK ics, esp. about sem Z,ZK ne exposition is sys in active way in a c cations theory cou Z,ZK ts, their functional ented. Karnaugh r design of digital cir Z,ZK og modulations with	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and s and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both maps, latch rcuits. 8 h their noise
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this cour mathematical and elements, fir A8B37SAS Continuous and dis	A CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind; circuit on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing. Introduction to Electronic Systems on methods for digital signal processing. Introduction to Electronic Cystems and with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schools. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation on systems is then analyzed using the PSpice simulator. Solid State Physics and extraction of device parameters. Operation o systems is then analyzed using the PSpice simulator. Digital Communications theory modulation, classical coding, channel models, and basic principles of decoding. Theoretical inse which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in a of the communication systems. The course provides a necessary fundamental background for subsequent more advanced communi functional description, as well as minimization algorithms for oubut and transient functions of digital components	an electric circuit is of actual energy is ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from the next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices is Z,ZK ics, esp. about sem Z,ZK the exposition is sys in active way in a co cations theory cou Z,ZK ts, their functional ented. Karnaugh r design of digital cir Z,ZK og modulations witt Z,ZK	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 ires and s and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both maps, latch rcuits. 8 h their noise 6
The subject AE8B3 as a special quasis The subject is spe working in steady A8B32DNT A8B32DSP A8B32IES This is a motivatic based on their pr A8B34EOD This course int characteristics ar students are introd A8B34SST The subject is aime A8B37DCMA The course provid built along the the construction A8B37DIT The goal of this cour mathematical and elements, fir A8B37SAS Continuous and dis A8B37SSP The course provid	In CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, tationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kind- cifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and anal and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? charac transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems Data Networks Theory Digital Signal Processing This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing. Introduction to Electronic Systems on subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students e-knowledge. The goal is to complete the missing knowledge and skills which may vary in students comming from various schols. The about the scope of the OES programme. Electronic and Optoelectronic Devices roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operation about the scope of the vice simulation, measurement of device characteristics and extraction of device parameters. Operation o systems is then analyzed using the PSpice simulator. Solid State Physics Solid State Physics do n solid state physics including some parts of statistical physics. The subject informs about basic principles of decoding. The sortical ines which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in a of the communication systems. T	an electric circuit is of actual energy is ysis methods of lir terization is applie s theory. Z,ZK Z,ZK have a choice from the next goal is to g Z,ZK ion, device structur mined. In seminars f electron devices is Z,ZK ics, esp. about sem Z,ZK the exposition is sys in active way in a c cations theory cou Z,ZK ts, their functional ented. Karnaugh r design of digital cir Z,ZK og modulations witt Z,ZK	is presented interactions. hear circuits d on circuit 5 5 2 m this offer yet an idea 6 irres and s and labs, in electronic 4 iconductors. 6 stematically design and urses. 5 blocks. Both maps, latch rcuits. 8 h their noise 6 e statistical

A8B38EME	Electronic Measurements	KZ	4				
	d to metrology fundamentals and uncertainty apparatus. It explains both elementary principles and selected advanced methods used in e	1	-				
and radio communications.							
A8BPROJ2	Project	Z	2				
B0B01DRN	Differencial Equations and Numerical Analysis	Z,ZK	4				
This course introduces students to the classical theory of ordinary differential equations (separable and linear ODEs) and also to bsics of numerical methods (errors in calculations and							
	I solutions of algebraic and differential equations and their systems). The course takes advantage of the synnergy between theoretica						
B0B01PST	Probability and Statistics	Z,ZK	7				
B0B04B2Z	English language B2 - exam	Z,ZK	0				
	xam is a compulsory subject for all Faculty of Electrical Engineering students at the Czech Technical University. According to the Stud	, ,	-				
	dents at CTU (Part III, Article 4), a compulsory subject is one whose completion is a necessary condition in order to successfully com	-					
-	es the passing of an examination evaluated on the scale A, B, C, D, or E (SERR Part III, Article 6). II) According to the Common Europ		-				
	FR), an international standard for describing language ability, the definition of an English language learner who has achieved the B2						
	stand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field of specialisat		-				
	taneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce clear, detailed te		-				
	point on a topical issue giving the advantages and disadvantages of various options. III) Students who have successfully passed an	-	-				
within the past five y	ears may present their certificate to the Department of Languages, Faculty of Electrical Engineering. Upon approval, students are the	n exempt from both	the Written				
	Test and the Oral Part. For a list of approved international exams go the department website: http://jazyky.fel.cvut.cz/						
B0B16ET1	Ethic 1	KZ	4				
Aim of this subject is	s to provide the students an orientation not only in general problems of ethics but above all to offer instructions for solving various sit	ations of human lif	fe. Essential				
parts of	the subject are discussions in which students can react to lectures but also to actual questions coming with news and look for the co	mmunal answers.					
B0B16FI1	Philosophy 1	KZ	4				
1	most important persons, schools and ideas of ancient philosophy. We are concerned especially on transdisciplinary nature of philos		on of old				
	philosophical thoughts with recent problems of science, technology, economics and politics.						
B0B16FIL	Philosophy	ZK	2				
1	most important persons, schools and ideas of ancient philosophy. We are concerned especially on transdisciplinary nature of philos	I					
	philosophical thoughts with recent problems of science, technology, economics and politics.						
B0B16HI1	History 1	KZ	4				
B0B16HT1	History of science and technology 1	KZ	4				
B0B16HTE	History of technology and economic	ZK	2				
B0B16MPL	Psychology for managers	ZK	2				
B0B16MPS	Psychology	Z,ZK	4				
B0B39GRT	Graphical Design	KZ	5				
The course gran	ts an overview of graphical design and typography. It includes also a practical training in creating graphical design of electronical doc	uments and hand	drawing.				
B2B02FY1	Physics 1	Z,ZK	8				
The basic course of	physics at the Faculty of Electrical Engineering - Physics 1, is devoted to the introduction into two important areas of physics. The first	·	I mechanics				
and the second one	is the electric and magnetic field. Within the framework of the classical mechanics, the students study the particle kinematics; dynamic	s of the mass part	icle, system				
of mass particles a	nd rigid bodies. The students should be able to solve basic problems dealing with the description of mechanical systems, which they	can meet during t	heir further				
studies. The classic	al mechanics is followed by the relativistic mechanics, electric and magnetic field - both stationary as well as non-stationary. The stuc	lents can use the f	facts gained				
in this course in the	study of electrical circuits, theory of electrotechnical materials or radioelectronics. Apart of this, the knowledge gained in this course	is required for the	study of the				
	consecutive course Physics 2.						
B2B02FY2	Physics 2	Z,ZK	7				
The course Physics	2 is closely linked with the course Physics 1. Within the framework of this course the students will first of all learn foundations of the	rmodynamics. Foll	owing topic				
-	es - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented o	-					
universal characte	er in spite of the waves character. Particular types of waves, such as acoustic or optical waves are the subjects of the following section	n. Quantum mech	anics and				
	ill complete the student?s general education in physics. The knowledge gained in this course will help to the students in study of suc		s robotics,				
	puter vision, measuring technique and will allow them to understand the principles of novel technologies and functioning of new elec						
B3B04PSA	Academic Writing	KZ	2				
Practically focuse	d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a	s their own notes,	research,				
	reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.						
B6B04PRE	Presentation	KZ	3				
BBAP15	Bachelor thesis	Z	15				
BE9M04AKP	Academic Writing	KZ	2				
1	FING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to imp	1					
	academically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor)						
-	nate goal of the course will be that the student is able to write (better) in English at an academic level. If a student's level of English i						
of this course (B2 U	pper-Intermediate), it is the student's responsibility to take action to improve it (outside of this course). It is hoped that by working and	writing in English	on a regular				
	basis throughout this course that participants will, naturally, improve their level of English in one way or another.						
BE9M04PRE	Presentation Skills	KZ	2				
	his course is to develop communication and language skills in order to plan and deliver an effective presentation. Students will be tal	en systematically					
key stages of giving presentations, from planning and introducing to concluding. Students are guided, using interactive methods, to communicate their thoughts and ideas in a logical							
and structured order - and in as brief or succinct a way as possible. Emphasis is placed on independent, critical thinking and the correct formulation of presenting ideas; throughout							
	this course students will practice skills that will enable them to become better speakers and presenters.	-					
BEZB	Safety in Electrical Engineering for a Bachelor's Degree	Z	0				
	safety course is to give the students basic knowledge of electrical equipment and installation as to avoid danger arising from operation	I					
contains fundamentals of Safety Electrical Engineering. In this way the students receive qualification of instructed person that enables them to work on electrical equipment.							

BEZZ	
------	--

BEZZ	Basic Health and Occupational Safety Regulations	Z	0			
The guidelines were worked out based on The Training Scheme for Health and Occupational Safety designed for employees and students of the Czech Technical University in Prague,						
which was provided by the Rector's Office of the CTU. Safety is considered one of the basic duties of all employees and students. The knowledge of Health and Occupational Safety						
regulations forms an integral and permanent part of gualification requirements. This program is obligatory						

For updated information see <u>http://bilakniha.cvut.cz/en/f3.html</u> Generated: day 2025-07-25, time 15:35.