### Recomended pass through the study plan

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

Faculty/Institute/Others:

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: Welcome page Type of study: unknown 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

#### Number of semester: 1

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
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	Р
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	Р
A8B01DMG	Discrete Math.& Graphs Marie Demlová Marie Demlová (Gar.)	Z,ZK	5	3P+1S	Z	Р
A8B01LAG	Linear Algebra Ji í Velebil, Jakub Rondoš <b>Ji í Velebil</b> Ji í Velebil (Gar.)	Z,ZK	7	4P+2S	Z	Р
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	Р
A8B01CAS	Computer Algebra Systems (CAS)	Z	2	1P+1C	Z	РО
A8B32IES	Introduction to Electronic Systems Stanislav Vítek, Pavel Hazdra, Zbyn k Škvor, Pavel Zahradník, Jan Sýkora, Ji í Hospodka <b>Zbyn k Škvor</b> Zbyn k Škvor (Gar.)	Z	2	0P + 2L	Z	PO
BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/134			V

#### Number of semester: 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
A0B04B2Z	English language B2-exam Pavla Péterová	Z,ZK	0	0C	Z,L	Р
A8B01DEN	Differential Equations&Numerical Methods	Z,ZK	7	4P+2C	L	Р
A8B02PH1	Physics 1	Z,ZK	7	4P+2L	L	Р
A8B01MCM	Mathematics-Calculus m-D Martin Bohata, Jaroslav Tišer Martin Bohata Jaroslav Tišer (Gar.)	Z,ZK	7	4P+2S	L	Р
A8B37DIT	Digital Design Petr Skalický Stanislav Vítek Stanislav Vítek (Gar.)	Z,ZK	5	2P+2C	L	РО
A8B31ELE	Elements of Electronics	KZ	4	2P	L	PO

Number of semester: 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
A8B02PH2	Physics 2	Z,ZK	7	4P+2L	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
A8B01PSI	Probability, Statistics and Information Theory	Z,ZK	6	4P+2S	Z	Р
A8B17EMT	Electromagnetic Field Theory Lukáš Jelínek	Z,ZK	8	4P+2S	Z	РО
BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/134			V

### Number of semester: 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 (Gar.)	Z,ZK	4	3P+1S	L	Р
A8B34SST	Solid State Physics Jan Voves Jan Voves (Gar.)	Z,ZK	4	3P+1C	L	РО
A8B37SAS	Signals and Systems Jan Sýkora, Karel Fliegel, Pavel Puri er Karel Fliegel Jan Sýkora (Gar.)	Z,ZK	8	4P+2C	L	РО
A8B31CIR	Circuit Theory Ji í Hospodka Ivan Zemánek Ivan Zemánek (Gar.)	Z,ZK	8	4P+2S	L	РО
BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/134			V

### Number of semester: 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 Jií Hospodka Jií Hospodka Jií Hospodka (Gar.)	Z,ZK	6	3P+2S	Z	РО
A8B37DCM	Digital Communications  Jan Sýkora	Z,ZK	5	4P+0C	Z	РО
A8B32DSP	Digital Signal Processing Pavel Zahradník, Boris Šimák Pavel Zahradník (Gar.)	Z,ZK	5	3P + 1L	Z	РО
A8B34EOD	Electronic and Optoelectronic Devices Pavel Hazdra Pavel Hazdra Pavel Hazdra (Gar.)	Z,ZK	6	3P+2L	Z	РО
A8B32DCL	Digital Signal Processing and Communication Laboratory	Z	2	0P + 2C	Z	PO
B6B32PSI	Computer Networks Tomáš Van k, Zbyn k Kocur, Leoš Bohá Ján Ku erák Leoš Bohá (Gar.)	Z,ZK	5	2P + 2C + 3D	Z	PO
BOESHEM	Humanitní, ekonomicko-manažerské p edm ty BE9M04AKP,B3B04PSA, (see the list of groups below)		Min/Max 8/134			V

## Number of semester: 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
ABAP9	Bachelor thesis	Z	9	28s	L	Р
A8B17ELD	Electrodynamics Zbyn k Škvor, 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
A8B35FCS	Feed-Back Control Systems	Z,ZK	6	4P+2L	L	PO
A8B37SSP	Statistical Signal Processing  Jan Sýkora, Pavel Sovka <b>Jan Sýkora</b> 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 specification	f courses and ion see here c	codes of members of this below the list of courses)	Comp	letion	Credit	Scope	Semester	Role
BOES	HEM			nažerské p edm ty			<b>Min/Ma</b> 8/134	ıx		٧
BE9M04AKP	Academic	Writing	B3B04PSA	Academic Writing	` I	40B04G	À			
A0B04KA	English Co	nversation 2	A0B04KA2	English Conversation 2	,	40B04O	Α 7	Technical Eng	lish Course	
A0B04C2Z	Czech lang	guage 2	A0B04C2L	Czech language 2	1	A0B04CI	N			
A0B04CIN2	Chinese La	anguage 2	A0B16EPD	Business economics	I	B0B16E1	Γ1 E	Ethic 1		
B0B16FIL	Philosophy	,	B0B16FI1	Philosophy 1	,	A0B04KF	-1 F	rench conve	sation 1	
A0B04KF2	French cor	oversation 1	A0B04F1	French language 1	,	A0B04F2	. F	rench langua	ige 2	
A0B04F3	French Lar	nguage 3	B0B16HTE	History of technology and econom	1	B0B16H1	Г1 Н	History of scie	nce and techno	olog
B0B16HI1	History 1		A0B04JAP	Japanese	,	A0B04JA	P2 .	Japanese 2		
A1B16MME	Macro and	Microeconomics	B0B16MPS	Psychology	,	40B04GI	V (	German Gram	ımar	
A0B04KN	German C	onversation	A0B04KN2	German conversation 2	,	A0B04N1	1 (	German langu	age 1	
A0B04N2	German la	nguage 2	A0B04N3	German language 3	,	40B04O	V F	Professional C	erman	
BE9M04PRE	Presentation	on Skills	B6B04PRE	Presentation	,	A0B16PF	RS F	Presentation s	kills	
A0B04CAE1	Certificate	of Advanced English	A0B04CAE2	Certificate of Advanced English	,	A0B04CA	AE3 (	Certificate of A	Advanced Engli	sh
A0B04FCE1	FCE 1		A0B04FCE2	FCE 2	,	A0B04F0	CE4 F	-CE4		
A0B04FCE3	FCE 3		A0B04PZP	Preparation for stay in Germany	I	B0B16MI	PL F	Sychology fo	r managers	
A0B04RET	Rhetoric		A0B04KR2	Russian conversation 2	,	A0B04R1	I F	Russian langu	age 1	
A0B04R2	Russian la	nguage 2	A0B04R3	Russian language 3	1	40B04R4	1 F	Russian langu	age 3	
A0B04KS1	Spanish co	onversation 1	A0B04KS2	Spanish conversation 2	,	A0B04S1		Spanish langu	age 1	
A0B04S2	Spanish la	nguage 2	A0B04S3	Spanish language 3	1	A0B04S4	1 5	Spanish Lang	uage 4	
A0B04CA	Technical I	English for Pre-Interm	A003TV	Physical Education						

### List of courses of this pass:

Name of the course

Code

Completion Credits

	Training of this detailed	- Compionion	0.000
A003TV	Physical Education	Z	2
A0B04B2Z	English language B2-exam	Z,ZK	0
A0B04C2L	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.
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	irse 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	CAE helps
you to improve you	r 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
	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	oyers 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		
	r 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	oyers 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 semeste		
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	ntexts.	
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	FCE 1	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.		
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	<del>-</del>	'
	improving all language skills - writing, speaking, reading, listening, grammar and phonetics - and is submitted to the goal of obtaining B2 ELF.		
A0B04FCE3	FCE 3	Z	2
	ned for students, employees of the Faculty and the public whose knowledge of English corresponds to B1 level according to the Comm	•	
	puages (CEFR). The course focuses on improving all language skills - writing, speaking, reading, listening, grammar and phonetics - a obtaining the required skills needed for B2 CEFR.	and is submitted to	o the goal of
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
The aim of this co	urse is to extend and complement grammatical patterns covered in other English courses that are intended for full-time students. The supplement for students who have not yet passed the B2 examination and are interested in further study and additional practi		
A0B04GN	German Grammar	Z	2
A0B04JAP	Japanese	Z	2
A0B04JAP2	Japanese 2	Z	2
A0B04KA	English Conversation 2	Z	2
The course is desi	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.	lready know, as w	vell as learn
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	lready know, as w	vell as learn
new words and p	hrases, to communicate on a variety of topics and themes. The course is generally designed as a follow-up to the Conversation One	course, building o	n the skills
	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	Russian conversation 2	Z	2
A0B04KS1	Spanish conversation 1	Z	2
A0B04KS2	Spanish conversation 2	Z	2
A0B04N1	German language 1	Z	2
A0B04N2	German language 2	Z	2
A0B04N3	German language 3	Z	2
A0B04OA	Technical English Course	Z	2
This course is design	gned for students who have successfully passed the B2 Exam or have met the exam requirement. Its main objective is to prepare stude	nts to be able to c	ommunicate
about technical sub	ject matter in English in a variety of formats. This will be practiced by examining the structure and style of writing in formal English and	practicing via 3 di	ifferent types
	of texts: an abstract, a short explanatory article, and a research article.		_
A0B04ON	Professional German	Z	2
A0B04PZP	Preparation for stay in Germany	Z	2
A0B04R1	Russian language 1	Z	2
A0B04R2	Russian language 2	Z	2
A0B04R3	Russian language 3	Z	2
A0B04R4	Russian language 3	Z	2
A0B04RET	Rhetoric	Z	2
	he subject is to master and improve skills necessary for successful presentation as well as enhancing the communicative ability of the		
bachelors. This sub	ject will enable the students to develop both spoken and written presentations, non verbal communication and remove the psychologic so that the students can create a good image. The course "Retorika" provides an introduction to this subject.	al barriers for pub	olic speaking
A0B04S1	Spanish language 1	Z	2
A0B04S2	Spanish language 2	Z	2
A0B04S3	Spanish language 3	Z	2
A0B04S4	Spanish Language 4	Z	2
A0B16EPD	Business economics	KZ	4
	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		
-	ncrete practical examples. Own business plan is prepared by each student as a semestra project. The business plan plays a key role for		_
A0B16PRS	Presentation skills	Z	2
	to prepare and to do presentation. They will obtain skills how to prepare written documents using typographic principles and proper w They will prove gained theoretical knowledge on self prepared interactive presentation that is recorded on video and discussi	ed.	referencing.
A1B16MME	Macro and Microeconomics	Z,ZK	5
	ms, market, law of demand, law of supply, market equilibrium, price regulation, price and income elasticities, consumer's behavior, prod		
protit, market failu	ure, monopoly, government macroeconomic policy, gross domestic product, multipliers, money, inflation, banking system, monetary processes of the cycle, fiscal policy, foreign trade policy, comparative advantage, CR and EU, Euro.	olicy, labor market	t, business

ASB01MC1   Majer. Marita or in the course of commentation to a product or interest of control of the course of commentation consequents that students encourse in subjects historical consequents in subjects. Associated in a grant of consequents are consequent to the consequent of the conse	A8B01AMA	Advanced Matrix Analysis  The course covers advanced topics of linear algebra, in particular matrix factorizations and construction of matrix functions	Z,ZK	4
ABBOTEN  ABBOTEN  The course products on principal equations. Abboten principal equations are prepared to expense and equations and control of the course of		1		
ABB01MCI  The author of the apacted price of the ap			-	
ABBOTIMOS   Discrete Nath & Discrete Nath & Graphs   The course information from determination from evaluation, Oxford in evaluation of the production of th				7
ABB01MCI		·		l equations.
The course introduces basis notions from discrete malherantics diseased to finder special to transferingly of sets, bring vightness with emphasis to certainly of sets, bring vightness with emphasis to certainly of sets bring vightness with emphasis to set of the s	40004040			
emphase to cardiarity of sets, baney relations with emphase to equivalence relations and partial codes; integers, relation modulor; bases ageleanic structures (includin finite fields of relationship). A SB01LAG   Linear Algebra   Linear Algebra		•		_
ABBOTIMCT Malhamatics-Complex Variables and Interpretation between curve and surface interpretations to the relations of differential and integrations, governor in modulatory typics of linear algaeira. The main focus is not the relations croated and integrat calculus of functions of one variable.  ABBOTIMCT Malhamatics-Calculus 1  The aim of the course is to introduce students to basics of differential and integral calculus of functions of one variable.  ABBOTIMCM Malhamatics-Calculus In-D  The aim of the course is to introduce students to basics of differential and integral calculus of functions of one variable.  ABBOTIMCM Malhamatics-Calculus In-D  The subject crows an introduction to the differential and integral calculus in soward variables and basic relations between curve and surface integral. Our series and power series with application to Taylor and Fourier series.  ABBOTIMCT Malhamatics-Complex Variables and Theory Tarransforms  Z,ZK 7  ABBOTIOST Optimization and Game Theory  Q,ZK 4  ABBOTIMCT Malhamatics-Complex Variables and Theory Tarransforms  Z,ZK 4  ABBOTIMCT Optimization and Game Theory  Q,ZK 4  ABBOTIMCT Optimization and Game Theory  ABBOTIMCT Optimization and Game Theory  Q,ZK 4  ABBOTIMCT Optimization and Game Theory  Q,ZK 4  ABBOTIMCT Optimization and Game Theory  Q,ZK 5  ABBOTIMCT Optimization and Game Theory  Q,ZK 5  ABBOTIMCT Optimization and Game Theory  Q,ZK 6  ABBOTIMCT Opt				
This course covers introductory topos of linear algebora. The main house is not the related notices of linear spaces and illnear introductory topos and markiness (determinants, invested as a linear impragine, giagrovalus). Applications include solving systems off linear equations, geometry in in-space (fincluding dot product and cross product).  ABB01MCN		of characteristic 2). Furher the course contains basic notions and their applications from graph theory.		
ABBOTMCT				_
ABBOTMC1 The aim of the course is to introduce students to basics of differential and integral calculus of functions of one variable.  ABBOTMCM				-
ABBOTMOM   Mathematics—Calculus more with a course is to introduce at uniform to the course is to introduce and magnetic claricular to the analysis of the many course an introduction to the differential and ringral calculus in several variables and basic relations between curve and surface integrals. Other part contains function series and power series with application to Tayloy and Fourier series.  ABBOTMOT   Mathematics—Complex Variable and Integral Transforms   Z,ZK   4  ABBOTOGT   Optimization and Game Theory   Z,ZK   4  ABBOTOGT   Optimization and Game Theory   Z,ZK   4  ABBOTOGT   Optimization and Game Theory   Z,ZK   4  ABBOTOGT   Optimization in and Game Theory   Z,ZK   4  ABBOTOGT   Optimization in an Game Theory   Z,ZK   4  ABBOTOGT   Optimization in a Game Theory   Z,ZK   4  ABBOTOGT   Optimization in an Game Theory   Z,ZK   4  ABBOTOGT   Optimization in a Game Theory   Z,ZK	aaa		ii y iii ii opace (iiio	.aag ao.
ABBOTMCM Mathematics—Calculus m-D Mathematics—Calculus m-D Mathematics—Calculus m-D Mathematics—Camplex variable and integral calculus in service and power series with application to Thystor and Fourier series.  ABBOTMCT Mathematics—Complex Variables and Integral Transforms ZZK 7  ABBOTOST Optimization and Game Theory ZZK 4  ABBOTOST Probability Statistics and Information Theory ZZK 4  ABBOTOST Probability Statistics and Information Theory ZZK 4  ABBOTOST Optimization and Game Theory ZZK 4  ABBOTOST Probability Statistics and Information Theory Calculated Theory Calcul	A8B01MC1	Mathematics-Calculus1	Z,ZK	7
The subject covers an introduction to the differential and integral calculus in several variables and basic reserves.  ABBO IMCT Mathematics-Complex Variable and Integral Transforms Z.Z.K 7  ABBO INCT Optimization and Game Theory Z.Z.K 4  ABBO IPSI Probability. Statistics and Information Theory Z.Z.K 4  ABBO IPSI Probability theory, mathematical statistics, information theory, and coding includes descriptions of probability, random variables and their distributions, characteristics and corrections with random variables. Basics of mathematical statistics. Private and their advantage of probability in the control of the probability of the probability. The probability is an international probability and on variables and their distributions, characteristics and corrections with random variables. Basics of mathematical statistics. Private and international information in the probability is an international probability in the control of the probability and probability in the probability in the probability. The probability is an international probability in the probab	1000111011		7.71	-
series and power series with application to Taylor and Gourier series.  ### A8801MCT   Mathematics-Complex Variable and Integral Transforms   Z,ZK   7  ### A8801PST   Optimization and Game Theory   Z,ZK   4  ### A8801PST   Debaility, Statistics and Information Theory   Z,ZK   6  ### A8801PST   Debaility heavy, mathematical statistics, Probability, Statistics and Information Theory   Z,ZK   6  ### Beases of probability heavy, mathematical statistics, Probability, Statistics and Information Theory   Z,ZK   6  ### Beases of probability heavy, mathematical statistics, Probability, Endon variables and their distributions, characteristics and operations with nonconvariables and results of the theory of Markov chains. Shannon entropy, mutual and conditional information.  ###################################				-
ABBOLOGT Optimization and Game Theory Z.ZK 4  ABBOLPSI Probability, Statistics and Information Theory Z.ZK 6  Basses of probability henry, mathematical statistics, information theory, and coding, includes descriptions of probability, and on the control of the probability and coding includes descriptions of probability, and the coding and read of the probability and coding includes descriptions of probability. A probability and coding includes descriptions of probability and coding and the coding and read of the probability. A probability is a probability and the probability and coding and the probability and coding and the probability. A probability and the	The Subject cover		Other part contain	is fullction
ABBOPTSI  Probability Statistics and Information Theory  Basics of probability theory, mathematical statistics, information throny, and coding includes descriptions of probability random variables. Basics of mathematical statistics, Point and Interval estimates, methods of parameters estimation and hypotheses testing, least squares method. Basic notions and results of the theory of Markov chains. Shannon entropy, mutual and conditional information.  ABBO2PH1  Physics 1  Physics 2  Physics 3  Physics 3  Physics 4  Physics 5  Physics 4  Physics 5  Physics 4  Physics 5  Physics 2 is dosely linked with the course Physics 1. Within the framework of the course by physics 2 is dosely linked with the course Physics 1. Within the framework of this course in the study of electrical circuits, theory of electrocarbonical materials or radioelectronics. Apart of this, the knowledge gained in this course is required for the study of the course Physics 2 is dosely linked with the course Physics 1. Within the framework of this course the students will help to the students of the particular thermodynamics. Following topic - the theory of wwws will give to the students basic insight into the properties of wwas and will help to the students to interstant because of waxes, such as accusacion electronic reviews are as a universal to the waves character. Particular types of waxes, such as accusacion electronic prove waves are as universal to the properties of waves and will help to the students in study of modern technical areas senountered during their studies and will allow then to understand the principles of nove lectronic oncepts wave as an universal to the students of the following section. Quantum mechanics physics will complete the students basic insight more than the programming parti	A8B01MCT		Z,ZK	7
Basics of probability theory, mathematical straticis, information theory, and coding, Includes descriptions of probability, random variables and their distributions, characterisatics and operations with random variables. Basics of mathematical stratics: Point and interval estimates, methods of parameters estimation and increase strating and increase and interval probability. The probability of the control of the probability of the control of the probability of the control of the probability. The probability of the control of the probability of the control of the probability of	A8B01OGT	Optimization and Game Theory	Z,ZK	4
poperations with rendom variables. Basics of mathematical statistics: Point and interval estimates, methods of parameters estimation and typotheses testing, least squares method.  Basic notions and results of the theory of Makrox chains. Shannon entropy, mutual and condition/mations.  The basic course of physics at the Faculty of Electrical Engineering - Physics 1.  Physics 1.  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 none is a dassical mechanics and the second one is the electric and magnetic field. Within the furmework of the classical mechanics and the second one is the electric and magnetic field. Within the furmework of the classical mechanics is followed by the reliabilistic mechanics, electric and magnetic field - both stationary as well as non-stationary. The students can use the facts gained in this course in the study of electrocal circuits, theory of electrocal circuits, sheary of electrocal circuits, theory of electrocal circuits, and the study of the course Physics 2.  ABB02PH2  The course Physics 2 is closely linked with the course Physics 2.  Physics 2  Physics 3  Research and the study of electrical circuits, theory of electrical circuits, the properties of the source of the course of physics 2 is closely linked with the course Physics 2.  Physics 2  Physics 2  Physics 2  Physics 2  Physics 2  Physics 2  Physics 3  Physics 2  Ph	A8B01PSI	Probability, Statistics and Information Theory	Z,ZK	6
ABB02PH1   Physics 1   Z,ZK 7  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 one is a classical mechanics and the second one is the electric and magnetic field. Within the framework of the classical mechanics, the students study the particle kinematics; dynamics of the mass particles and rigid bodies. The students should be able to solve basic problems dealing with the description of mechanicial systems, which they can meet during that further studies. The classical mechanics is followed by the relativistic mechanics, electric and originate for the study of electrical circuits, theory of electrotechnical materials or radioelectrocinics. Apart of this, the knowledge gained in this course in the study of lenterical circuits, theory of electrotechnical materials or radioelectrocinics. Apart of this, the knowledge gained in this course in the study of the the study of the meet of the study of the meeting of the study of the consecutive course Physics 2.  A8B02PH2   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 phenomenological and statistical thermodynamics. Following topic: the theory of waves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves thas a universal character in spite of the waves character. Particular types of waves, such as accounts or electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the student's general education in physics. The knowledge gained in this course will be the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel techno	•			
ASB02PH1 Physics at the Faculty of Electrical Engineering - Physics 1, is devoted to the introduction into two important areas of physics. The first one is a classical mechanics and the second one is the electric and magnetic field. Within the framework of the classical mechanics, the students study the particle kinematics, dynamics of the mass particles and fingle bodies. The students should be able to save basic problems dealing with the description of mechanical systems, which they can meet during their further studies. The classical mechanics should be able to save basic problems dealing with the description of the channel systems, which they can meet during their further studies. The classical mechanics is followed by the relativistic mechanics, electric and magnetic field - both stationary as well as non-attendancy. The students can use the facts gained in this course in the study of electricated 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 of Physics 2.  ABB02PH2  Physics 2  ABB04DP  Algorithm Development and properties of waves and will help to the students to undestand that the presented description of the waves has an unhersal character in pile of the waves character. Particular types of waves, such as course will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  ABB14ADP  Algorithm Development and Programming  Algorithm Development and Programming and features of the features of the programming and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems spring, arrays, pointers, structures, compilation and debugging	operations with ra	·	esting, least square	es metnoa.
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 one is a classical mechanics and the second one is the electric and magnetic field. Within the framework of the dissosion mechanics, the students study, the particle kinematics, of the mass particle, system of mass particles and rigid bodies. The students should be able to solve basic problems dealing with the description of mechanical systems, which they can meet during their further studies. The classical mechanics is followed by the relativistic mechanics, electric and magnetic field- thost bustlenays as well as estimationary. The students can use the facts gained in this course in the study of electrical circuits, theory of electroechnical materials or radioelectronics. Apart of this, the knowledge gained in this course is required for the study of the consecutive course Physics 2.  A8B02PH2   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 phenomenological and statistical theoretical properties of the waves have an advantage of the students and the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as acoustic or electromagnetic waves are the subjects to the following section. Quantum mechanics physics will complete the student's sections. The knowledge gained in this course will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ADP   Algorithm Development and Programming   Z, ZK   5  Course objective. Introduction to algorithm design of basic and more advanced computer tasks, Diplate computer structure, Introduction to the C programming language, Syntax and semantics, as also shown. The course design and this course are neede	A8B02PH1		Z,ZK	7
of mass particles and rigid bodies. The students should be able to solve basic problems dealing with the description of mechanical systems, which they can meet furing their further studies. The disastical mechanics is followed by the relativistic mechanics, electric and magnetic field- both stotionery as well as followed by the relativistic mechanics, electric and magnetic field- both stotionery as well as relationary. The students can use the feets gained in this course in the study of electrical circuits, theory of electroschrical materials or radioelectronics. Apart of this, the knowledge gained in this course is required for the study of the course Physics 2.  A8B02PH2 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 phenomenological and statistical thermodynamics. Following topic: the theory of waves—will give to the students basic insight into the properties of waves and will help to the students understand the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as acoustic or electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the students begin electronic devices.  A8B14ADP Assistance of the students and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ADP Assistance of the students and allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ADP Assistance of the students and allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ELD Assistance of the students and the principles of novel technologies and function to the C programming language, Syntax and semantics. Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing,	The basic course of	ı	st one is a classica	l mechanics
studies. The classical mechanics is followed by the relativistic mechanics, electric and magnetic field - both stationary as well as non-stationary. The students can use the facts gained in this course in the study of electrical circuits, theory of electrotechnical materials or radioelectronics. April 164. The knowledge gained in this course is required for the study of the consecutive course Physics 2.  A8B02PH2  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 phenomenological and statistical thermodynamics. Following topic - the theory of waves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves has an universal character in sple of the waves character. Particular types of waves, such as acoustic electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the students basic insight into the properties of waves and will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and function got new electronic devices.  A8B14ADP  Algorithm Development and Programming  Against the properties of waves and the principles of novel technologies and turning of new electronic devices.  The course Action of the programming and present and the principles of novel technologies and turning of the well-control devices are structure, complation and debugging methods, preprocessor, conditional compliation, standard libraries, specific of embedded computer systems programming and debugging.  A8B17ELD  File course Activity of the course Activity of the course Activity of the course and pudes student through the interaction of electromagnetic field theory). The course starts with a decomposition of electromagnetic field theory was the material boundaries. The theory of wave g			•	=
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.  A8B02PH2   Physics 2   Physics 2.  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 phenomenological and statistical thermodynamics. Following topic. The theory of weves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as accusted will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ADP   Algorithm Development and Programming LZ,ZK   5  Course objective: Introduction to algorithm design of basic and more advanced computer saks, Digital computer structure, Introduction to the C programming language, Syntax and semantics. Basic skills of procedural programming paradigm, variable, data byse, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, complation and debugging methods, preprocessor, conditional compliations, shandard libraries, specific of emborates programming and elebugging.  ABB17ELD   Electrodynamics   Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT   Electromagnetic field Theory   Electr	•		•	
A8B02PH2 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 phenomenological and statistical thermodynamics. Following topic - the theory of waves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as acoustic or electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the students a peneral education in physics. The knowledge gained in the students of the students in section. Algorithm mechanics physics will complete the students in senior areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  ABB14ADP Agolithm Development and Programming Course will help to the students in surprising language. Syntax and semantics. Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, complation and debugging methods, preprocessor, conditional complication, standard libraries, specific of embedded computer systems programming and debugging.  ABB17ELD electrodynamics is a follow up of the course ABB17ELD (electrodynamics) is a follow up of the course ABB17ELD (electrodynamics) is a follow up of the course ABB17ELD electrodynamics) is a follow up of the course ABB17ELD in the properties of the vaves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course are needed for number of specialized master courses.  ABB17EMT EDICECTORY AGB17EMT is the electromagnetic theory and with its mathematical description.				-
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 phenomenological and statistical termodynamics. Following topic—the theory of waves—will give to the students basic insight into the properties of waves are wave and will help to the students to understand that the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as acoustic or electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the student's general education in physics. The knowledge gained in this course will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologia and functioning of hew electronic devices.  A8B14ADP		· · · · · · · · · · · · · · · · · · ·		
thermodynamics. Following topic - the theory of waves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as accoustic or electromagnetic waves are the subjects of the following section. Quantum mechanics physics will complete the student's general education in physics. The knowledge gained in this course will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  ABB14ADP  Algorithm Development and Programming  Z,ZK \$  Course objective: Introduction to algorithm design of basic and more advanced computer tasks, Digital computer structure, Introduction to the C programming language, Syntax and semantics, Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, compilation and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems programming and debugging.  ABB17ELD  File course ABB17ELD (electrodynamics) is a follow up of the course ABB17ENTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT  Electromagnetic Field Theory  Z,ZK 8  Students get acquainted with physics fundaments of the electromagnetic fleory and with its mathematical description, nanalysis and systemetric wave. The knowledge gained in this course			,	
section. Quantum mechanics physics will complete the student's general education in physics. The knowledge gained in this course will help to the students in study of modern technical areas encountered during their studies and will allow them to understand the principles of novel technologies and functioning of new electronic devices.  A8B14ADP	· · · · · · · · · · · · · · · · · · ·		-	
A8B14ADP Algorithm Development and Programming Course objective: Introduction to algorithm design of basic and more advanced computer tasks, Digital computer structure, Introduction to the C programming Janguage, Syntax and semantics. Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, compilation and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems programming and debugging.  A8B17ELD Electrodynamics Electrodynamics Electrodynamics is also shown. The course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT Electromagnetic Field Theory Z,ZK 8  Students get acquainted with physics fundaments of the electromagnetic wave with an attended description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEB17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  ABB31ANC Analog and Active Circuits 2  ARB31ANC Science Analog and Active Circuits 2  ARB31ANC Science Analog and Active Circuits 2  ARB31ANC Science Analog and Active Circuits 4  Circuit Theory  The subject AEB831CIR is a complet systematic presentation of electrical circuit theory, it is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quas	•	· · · · · · · · · · · · · · · · · · ·		_
A8B14ADP  Algorithm Development and Programming  Course objective: Introduction to algorithm design of basic and more advanced computer tasks, Digital computer structure, Introduction to the C programming language, Syntax and semantics. Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, compilation and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems programming and debugging.  ABB17ELD  Electrodynamics  Electrodynamics  Electrodynamics  Fine course AEB17ELD (electrodynamics) is a follow up of the course AEB17ELD (electrodynamics) is a follow up of the course AEB17ELD (electrodynamics) is a follow up of the course AEB17ELD (electrodynamics) is a follow up of the course AEB17ELD (electrodynamics) is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT  Electromagnetic Field Theory  Z,ZK 8  Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEB17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  ABB31AAC  Analog and Active Circuits  Analog and Active Circuits  The subject AEB831ACL is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  ABB31CIR  Circuit Theory  The subject AEB831CIR is a complet systematic presentation of electrical circuit t			•	rn technical
Course objective: Introduction to algorithm design of basic and more advanced computer tasks, Digital computer structure, Introduction to the C programming language, Syntax and semantics. Basic skills of procedural programming paradigm, variable, data type, declaration, operators, expressions, statements, functions, parameter passing, arrays, pointers, structures, compilation and debugging methods, preprocessor, conditional compilation, standard libraries, specific of embedded computer systems programming and debugging.  ABB17ELD   Electrodynamics   Z.Z.K   5   The course AEB17ELD (electrodynamics) is a follow up of the course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT   Electromagnetic Field Theory Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEBB17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  ABB31AAC   Analog and Active Circuits  The subject AEBB31AC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic emiconductor electronic components operating in linear and non-linear modes.  ABB31CIR   Circuit Theory   Circuit Theory   Circuit Theory   Circuit Theory   Circuit Theory   Circuit Theory				5
ABB17ELD   Electrodynamics   Electrodynamics   Z,ZK   5   The course AEB17ELD (electrodynamics) is a follow up of the course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  ABB17EMT   Electromagnetic Field Theory   Z,ZK   8   Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEB817ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  ABB31AAC   Analog and Active Circuits   Z,ZK   6   The subject AEB831AAC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  ABB31CIR   Circuit Theory   Z,ZK   8   The subject AEB831CIR is a complet systematic presentation of electrical circuit theory, it is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject AEB831CIR is a complet systematic presentation of electrical circuit theory, it is based on general physical nature of electromagnetic effects, an electric circuit	-		· ·	_
A8B17ELD (electrodynamics) is a follow up of the course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  A8B17EMT Electromagnetic Field Theory Z,ZK 8 Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AE8B17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC Analog and Active Circuits Z,ZK 6 The subject AE8B31AC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  A8B31CIR Circuit Theory The subject AE8B31CIR is a complet systematic presentation of electrical circuit theory, it is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit theory, and analysis methods of actual energy interactions. The subject is specifically oriented on linear electrical circuit (malogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of actual energy interactions working in steady and transient states (modes), respectively. The time domai				-
The course AEB17ELD (electrodynamics) is a follow up of the course AEB17EMTA (Electromagnetic field theory). The course starts with a decomposition of electromagnetic field into planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  A8B17EMT   Electromagnetic Field Theory   Z,ZK   8 Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEB817ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC   Analog and Active Circuits   Z,ZK   6 The subject AEB831AAC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  A8B31CIR   Circuit Theory  The subject AEB831CIR is a complet systematic presentation of electrical circuit theory, It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistionary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modelling all kinds of actual energy interactions.  The subject is specifically oriented on linear electrical circuit (analogue LIT systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively				
planewaves, introduces radiation of waves and guides student through the interaction of electromagnetic waves with material boundaries. The theory of wave guides and transmission lines is also shown. The course ends with wave scattering. The knowledge gained in this course is needed for number of specialized master courses.  A8B17EMT   Electromagnetic Field Theory   Z,ZK   8  Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AEBB17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC   Analog and Active Circuits   Z,ZK   6  The subject AEBB31AAC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  A8B31CIR   Circuit Theory   Z,ZK   8  The subject AEBB31CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject AEBB31CIR is a complet systems the decircuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis,	- 1	ı		_
A8B17EMT   Electromagnetic Field Theory   Z,ZK   8   Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AE8B17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC   Analog and Active Circuits   Z,ZK   6   The subject AE8B31AAC is oriented on presentation, matematical description, analysis and sythesis of basic analogue active circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  A8B31CIR   Circuit Theory   Z,ZK   8   The subject AE8B31CIR is a complet systematic presentation of electrical circuit theory, It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Elements of Electronics   KZ   4   The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32ES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electro			<del>-</del>	
Students get acquainted with physics fundaments of the electromagnetic theory and with its mathematical description. Particularly, the course guides student through electrostatics, magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AE8B17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC   Analog and Active Circuits   Analog and Active Circuits and function blocks of electronic systems based on basic semiconductor electronic components operating in linear and non-linear modes.  A8B31CIR   Circuit Theory   Z,ZK   8   8   8   8   8   8   8   8   8			aster courses.	
magnetostatics, introduces coupling between time varying fields and it is ends with an introduction to an electromagnetic wave. The knowledge gained in this course are needed for the subsequent course AE8B17ELD (Electrodynamics), for the course of circuit theory, theory of semiconductors and a number of specialized master courses.  A8B31AAC		,		
A8B31AAC   Analog and Active Circuits   Analo	- :		_	
The subject AE8B31CIR   Circuit Theory   Z,ZK   8  The subject AE8B31CIR   Scircuit Spresentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasitationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Elements of Electronics   KZ   4  The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject deuaction uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: -electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL	_			
A8B31CIR   Circuit Theory   Z,ZK   8 The subject AE8B31CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Elements of Electronics   KZ   4  The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2  This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow de		ı	,	_
A8B31CIR   Circuit Theory  The subject AE8B31CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Elements of Electronics   KZ   4    The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).) The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2  This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a	The subject AE8B3		s of electronic sys	tems based
The subject AE8B31CIR is a complet systematic presentation of electrical circuit theory. It is based on general physical nature of electromagnetic effects, an electric circuit is presented as a special quasistationary case of electromagnetic field. It defines basic circuit quantities (voltage, current) and basic circuit elements modeling all kinds of actual energy interactions. The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Elements of Electronics   KZ   4   The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2   This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system	A8B31CIR		7 7K	8
The subject is specifically oriented on linear electrical circuit (analogue LTI systems), it presents basic priciples and theorems of circuit theory, and analysis methods of linear circuits working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Selements of Electronics   KZ   4   The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2   This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on		· · · · · · · · · · · · · · · · · · ·		
working in steady and transient states (modes), respectively. The time domain and frequency domain analysis is strictly differentiated. "System? characterization is applied on circuit transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Selements of Electronics   KZ   4   The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on				
transfer properties analysis, stability analysis, and feedback theory. At the end the subject deals with basis of discrete LTI systems theory.  A8B31ELE   Blements of Electronics   KZ   4   The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL   Digital Signal Processing and Communication Laboratory   Z   2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on	-		=	
The subject AE8B31ELE (B-ELE) is a free continuation of the subject AE8B32IES (B-IES), now with technical contents yet, that provides elementary basis of electrical and electronic engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL Digital Signal Processing and Communication Laboratory Z 2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on	working in steady i			a on circuit
engineering, describes and explains common contexts among electrical phenomena, that are important for subsequent specialized subjects (for instance AE8B31CIR (B-CIR), AE8B31DIT (B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL Digital Signal Processing and Communication Laboratory Z 2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on	A8B31ELE	Elements of Electronics	KZ	4
(B-DIT), AE8B31EMT (B-EMT), AE8B31SAS (B-SAS).). The subject education uses relatively simple, elementary mathematical and physical methods adequate to the 2nd semester of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL Digital Signal Processing and Communication Laboratory Z 2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on	=			
of the bachelor study stage. The subject provides basis of: - electromagnetic field and electrical circuit theory - semiconductor components theory - signal and system theory - digital and microprocessor technique.  A8B32DCL Digital Signal Processing and Communication Laboratory Z 2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on				
and microprocessor technique.  A8B32DCL Digital Signal Processing and Communication Laboratory Z 2 This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on				
This is a shared practical laboratory jointly practicing theoretical foundations gained in Digital Signal Processing (B-DSP), Digital Communications (B-DCM) and Data Network Theory (B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on			· .	
(B-DNT) courses. It demonstrates how these areas together allow designing a complex functional system. During the course, students will design a set of building blocks based on		·		
	· · · · · · · · · · · · · · · · · · ·		•	-
	,		ŭ	

uses a computer ba	sed simulation system platform (e.g. Matlab) to practically verify the system functionality and its performance. It also demonstrates how v SW tools can be used in designing the system.	arious CAD and m	nathematical
A8B32DSP	Digital Signal Processing	Z,ZK	5
	This subject is focused upon basics in the digital signal processing, systems and methods for digital signal processing.	•	1
A8B32IES	Introduction to Electronic Systems	Z	2
	n subject with syllabus composed of a set of demonstrations and measurements. Its content is divided into several themes. Students		
based on their pro	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.	ne next goal is to g	jet an idea
A8B34EOD	Electronic and Optoelectronic Devices	Z,ZK	6
	roduces the basic theory, principles of operation and properties of electronic and optoelectronic devices. Physical principles of operat		
	e explained together with adequate models for small- and large-signal. Basic applications in analogue and digital electronics are exar uced to basic principles of device simulation, measurement of device characteristics and extraction of device parameters. Operation of		
	systems is then analyzed using the PSpice simulator.		
A8B34SST	Solid State Physics	Z,ZK	4
The subject is aimed	d on solid state physics including some parts of statistical physics. The subject informs about basic properties of materials used in electroni	cs, esp. about sem	iconductors.
A8B35FCS	Feed-Back Control Systems	Z,ZK	6
	e of automatic control. Introduction to basic concepts and properties of dynamic systems of physical, engineering, biological, econom		
	ciples of feedback and its use as a tool for altering the behavior of systems and managing uncertainty. Classical and modern method systems. Students specialized in systems and control will build on these ideas and knowledge in the advanced courses to follow. Stu	•	•
automatic control	programs will find out that control is a inspiring, ubiquitous and entertaining field worth of a future cooperation.	dents of other bra	riches and
A8B37DCM	Digital Communications	Z,ZK	5
	es fundamentals of digital communications theory: modulation, classical coding, channel models, and basic principles of decoding. The	,	stematically
_	oretical lines which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in a	-	_
construction	of the communication systems. The course provides a necessary fundamental background for subsequent more advanced communication	cations theory cou	1
A8B37DIT	Digital Design	Z,ZK	5
_	rrse is to introduce the philosophy of digital circuits' design, to provide formal description of combinational and sequential logical circuit		
	functional description, as well as minimization algorithms for output and transient functions of digital components and circuits is pres- ite-state Mealy and Moore machines are the essential part of the content. The subject matter discussed will be tested on the typical of	_	-
A8B37SAS		Z.ZK	8
	Signals and Systems crete time signal representation in time and frequency domain. Stochastic signals and their parameters. Elementary principles of analo	,	_
	conditions. Fundamental course for further study focusing on communication, measurement and signal processing.	g modulations in	
A8B37SSP	Statistical Signal Processing	Z,ZK	6
	es fundamentals in three main domains of the statistical signal processing: 1) estimation theory, 2) detection theory, 3) optimal and ac	•	e statistical
signal processing is	s a core theory with many applications ranging from digital communications, audio and video processing, radar and radio navigation,	measurement and	l experiment
	evaluation, etc.		
A8B38EME	Electronic Measurements	KZ	4
The course is focus	ed to metrology fundamentals and uncertainty apparatus. It explains both elementary principles and selected advanced methods used in e	lectronics, telecom	munications
45450	and radio communications.		
ABAP9	Bachelor thesis	Z	9
B0B16ET1	Ethic 1	KZ	4
-	s to provide the students an orientation not only in general problems of ethics but above all to offer instructions for solving various situ the subject are discussions in which students can react to lectures but also to actual questions coming with news and look for the co		
B0B16FI1	Philosophy 1	KZ	4
	nost important persons, schools and ideas of ancient philosophy. We are concerned especially on transdisciplinary nature of philoso		I
	philosophical thoughts with recent problems of science, technology, economics and politics.		
B0B16FIL	Philosophy		
		ZK	
	most important persons, schools and ideas of ancient philosophy. We are concerned especially on transdisciplinary nature of philosophy.		2 ion of old
	e most important persons, schools and ideas of ancient philosophy. We are concerned especially on transdisciplinary nature of philosophical thoughts with recent problems of science, technology, economics and politics.		
B0B16HI1			
B0B16HI1 B0B16HT1	philosophical thoughts with recent problems of science, technology, economics and politics.	ophy and connect	ion of old
	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1	ophy and connect	ion of old
B0B16HT1	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1	ophy and connect  KZ  KZ	ion of old  4 4
B0B16HT1 B0B16HTE	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic	KZ KZ KZ ZK	on of old  4 4 2
B0B16HT1 B0B16HTE B0B16MPL	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers	KZ KZ KZ ZK ZK	4 4 2 2
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a	KZ KZ ZK ZK Z,ZK KZ	4 4 2 2 4 2
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.	KZ KZ ZK ZK Z,ZK KZ s their own notes,	4 4 2 2 4 2 research,
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation	KZ KZ ZK ZK Z,ZK KZ	4 4 2 2 4 2 research,
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks	KZ KZ ZK ZK ZZK KZ S their own notes,	4 4 2 2 4 2 research,
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing	KZ KZ ZK ZK Z,ZK KZ s their own notes, KZ Z,ZK KZ	4 4 2 2 4 4 2 research, 3 5 2
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to imp	KZ KZ ZK ZK ZK KZ s their own notes, KZ Z,ZK KZ rove the student's	4 4 2 2 4 2 research, 3 5 2 skills and
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing a	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to impacademically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor)	KZ KZ ZK ZK ZK KZ s their own notes, KZ Z,ZK KZ s their student's simply proofread	4 4 2 2 4 2 research, 3 5 2 skills and and correct
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing a	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to imp	KZ KZ ZK ZK ZK KZ s their own notes, KZ Z,ZK KZ some the student's simply proofread s not up to the exp	4 4 2 2 4 2 research,  3 5 2 skills and and correct pected level
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing a	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to impacademically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor) mate 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 is	KZ KZ ZK ZK ZK KZ s their own notes, KZ Z,ZK KZ some the student's simply proofread s not up to the exp	4 4 2 2 4 2 research,  3 5 2 skills and and correct pected level
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing a	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to impacademically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor) mate 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 in a peper-Intermediate), it is the student's responsibility to take action to improve it (outside of this course). It is hoped that by working and	KZ KZ ZK ZK ZK KZ s their own notes, KZ Z,ZK KZ some the student's simply proofread s not up to the exp	4 4 2 2 4 2 research,  3 5 2 skills and and correct pected level
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing at their texts - the ulti of this course (B2 U	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to impacademically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor) mate 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 is a lepter-Intermediate), it is the student's responsibility to take action to improve it (outside of this course). It is hoped that by working and basis throughout this course that participants will, naturally, improve their level of English in one way or another.  Presentation Skills  his course is to develop communication and language skills in order to plan and deliver an effective presentation. Students will be taken to plan and deliver an effective presentation.	KZ KZ ZK ZK ZK ZZK KZ s their own notes, KZ Z,ZK KZ rove the student's simply proofread s not up to the exp writing in English KZ ten systematically	4 4 2 2 4 2 research,  3 5 2 skills and and correct excetd level on a regular  2 through the
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing at their texts - the ulti of this course (B2 U	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to improve academically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor) mate 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 in opportunity for students who have registered to have someone to the improvement 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 is opportunity for students who have registered to have someone (the instructor) mate 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 is opportunity in the student is able to write (better) in English at an academic level. If a student's level of English in opportunity in the student's level of English in one way or another.  Presentation Skills  his course is to develop communication and language skills in order to plan and deliver an effective presentation. Students will be tak at persentations, from planning and introducing to concluding. Students are guided, using interactive methods, to communicate their the student is accommunicate.	KZ KZ ZK ZK ZK ZZK KZ s their own notes, KZ Z,ZK KZ simply proofread s not up to the exp writing in English KZ ten systematically noughts and ideas	4 4 2 2 4 2 research,  3 5 2 skills and and correct excetd level on a regular  2 through the s in a logical
B0B16HT1 B0B16HTE B0B16MPL B0B16MPS B3B04PSA Practically focuse B6B04PRE B6B32PSI BE9M04AKP ACADEMIC WRI abilities of writing at their texts - the ulti of this course (B2 U	philosophical thoughts with recent problems of science, technology, economics and politics.  History 1  History of science and technology 1  History of technology and economic  Psychology for managers  Psychology  Academic Writing  d course in which students learn how or improve their ability to correctly and effectively formulate common written documents such a reports, protocols, articles, etc. Students will be acquainted with the main principles of writing professional texts.  Presentation  Computer Networks  Academic Writing  TING COURSE (BE9M04AKP) Objective(s): The overall aim of this course is not to increase the student's level of English, but to impacademically (in English). This course is not simply an opportunity for students who have registered to have someone (the instructor) mate 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 is a lepter-Intermediate), it is the student's responsibility to take action to improve it (outside of this course). It is hoped that by working and basis throughout this course that participants will, naturally, improve their level of English in one way or another.  Presentation Skills  his course is to develop communication and language skills in order to plan and deliver an effective presentation. Students will be taken to plan and deliver an effective presentation.	KZ KZ ZK ZK ZK ZZK KZ s their own notes, KZ Z,ZK KZ simply proofread s not up to the exp writing in English KZ ten systematically noughts and ideas	4 4 2 2 4 2 research,  3 5 2 skills and and correct excetd level on a regular  2 through the s in a logical

BEZB	Safety in Electrical Engineering for a Bachelor's Degree	Z	0					
The purpose of the	The purpose of the safety course is to give the students basic knowledge of electrical equipment and installation as to avoid danger arising from operation of it. This introductory course							
contains funda	mentals of Safety Electrical Engineering. In this way the students receive qualification of instructed person that enables them to worl	c on electrical equi	pment.					
BEZZ	Basic Health and Occupational Safety Regulations	Z	0					
The guidelines wer	e worked out based on The Training Scheme for Health and Occupational Safety designed for employees and students of the Czech	Technical Universit	y in Prague,					
which was provide	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 qualification requirements. This program is obligatory.							

For updated information see <a href="http://bilakniha.cvut.cz/en/FF.html">http://bilakniha.cvut.cz/en/FF.html</a> Generated: day 2025-04-26, time 00:06.