Recomended pass through the study plan

Name of the pass: Branch Solid State Systems - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Pass through the study plan: Open Electronic Systems - Solid State Systems Branch of study guranteed by the department: Welcome page Guarantor of the study branch: Program of study: Open Electronic Systems Type of study: Follow-up master 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 semes	ster: 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
BEEZM	Safety in Electrical Engineering for a master's degree Vladimír K la, Ivana Nová, Josef ernohous, Radek Havlí ek Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z	Ρ
AE8M31AAS	Advanced Analog Systems	Z,ZK	5	2P+2S	Z	PO
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5	2P+2L	Z	PO
AE8M34ICS	IC Structures	Z,ZK	5	2P+2C	Z	PO
AE8M34OEP	Optoel.and Photonics	Z,ZK	5	2P+2L	Z	PO
MOESEVOL	Elective subjects	Min. cours. 0	Min/Max 0/999			V

Number of ser	mester: 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
AE8M34ICD	IC Design	Z,ZK	5	2P+2C	L	PO
AE8M34MST	Microsystems	Z,ZK	5	2P+2L	L	PO
AE8M38MS	Modern Sensors	Z,ZK	5	2P+2L	Z	PO
AE8M34NAN	Nanoelectronics and Nanotechnology	Z,ZK	5	2P+2C	L	PO
MOESEVOL		Min. cours.	Min/Max			
NIOESEVOL	Elective subjects	0	0/999			V
MOESEH	Humanities subjects AE0M16HT2,AE0M16Fl2, (see the list of groups below)	Min. cours.	Min/Max 4/22			V

Number of semes	ster: 3					
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5	2P+2S	Z	PO
MOESEVOL	Elective authinste	Min. cours.	Min/Max			V
	Elective subjects	0	0/999			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
ADIP25	Diploma Thesis	Z	25	36s	L	Р
MOESEVOL	Elective enkinete	Min. cours.	Min/Max			N
	Elective subjects	0	0/999			V

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

Kód		Name of the group or group (for specificati	f courses and on see here o	I codes of members of this or below the list of courses)	es of members of this Completion			Scope	Semester	Role
MOES	EH	н	lumanities su	bjects	Min. cours. 1		Min/Max 4/22	5		v
AE0M16HT2	History of s	science and technolog	AE0M16FI2	Philosophy II	<u> </u>	AE0M16	MPS P	sychology		
A003TV	Physical E	ducation	AE0M16TE1	Theology			·			
MOESE	VOL		Elective sub		Min.	cours. 0	Min/Max 0/999			v

List of courses of this pass:

ADIP25 Diploma Thesis Z 22 Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination. AE0M16F12 Philosophy II Z,ZK 4 AE0M16F12 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. Z,ZK 4 AE0M16HT2 History of science and technology 2 Z,ZK 4 This subject traces historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' interest in the history engineers 4 AE0M16MPS Psychology Z,ZK 4 AE0M16MPS Psychology Z,ZK 4 AE0M16TE1 Theology Z,ZK 4 This subject provides to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the basic theologic disciplit are gone through. The subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who want to get know Christian theology and requires our civitization up. Z,ZK 5	Code	Name of the course	Completion	Credits
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be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination. AE0M16FI2 Philosophy II Z,ZK 4 The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology. Z,ZK 4 AE0M16HT2 History of science and technology 2 Z,ZK 4 This subject traces historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' interest in the history traditions of the subject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and the influence of techn engineers AE0M16HT51 Theology Z,ZK 4 AE0M16TE1 Theology Z,ZK 4 This subject provides to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the basic theologic disciplinate goal show and to get know Christian - religion from which graws our civilization up. Z,ZK 5 AE8M31AAS Advanced Analog Systems Z,ZK 5 AE8M34LCD IC Design Z,ZK 5 AE8M34NAN Nanoelectronics and Nanotechnology Z,ZK 5	ADIP25	Diploma Thesis	Z	25
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BEEZM Safety in Electrical Engineering for a master's degree Z 0	AE8M38MS		Z,ZK	5
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The course provides for students of all programs periodic training guidelines for health and occupational safety and gives knowledge of electrical hazard of given branch of stuc				

For updated information see <u>http://bilakniha.cvut.cz/en/f3.html</u> Generated: day 2024-05-19, time 00:14.