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 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
BEEZM	**Safety in Electrical Engineering for a master´s degree** *Vladimír Kůla, Ivana Nová, Josef Černohous, Radek Havlíček **Radek Havlíček** Vladimír Kůla (Gar.)*	Z	0	2BP+2BC	Z	P
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 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
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	**Elective subjects**	Min. cours. 0	Min/Max 0/999			V
MOESEH	**Humanities subjects** *AE0M16HT2,AE0M16FI2,..... (see the list of groups below)*	Min. cours. 1	Min/Max 4/22			V

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
AE8M36ACA	**Advanced Computer Architectures**	Z,ZK	5	2P+2S	Z	PO
MOESEVOL	**Elective subjects**	Min. cours. 0	Min/Max 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	P
MOESEVOL	**Elective subjects**	Min. cours. 0	Min/Max 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 of courses and codes of members of this group (for specification see here or below the list of courses)	Completion	Credits	Scope	Semester	Role
MOESEH	**Humanities subjects**	**Min. cours.** **1**	**Min/Max** 4/22			v

AE0M16HT2	History of science and technolog ...	AE0M16FI2	Philosophy II	AE0M16MPS	Psychology
A003TV	Physical Education	AE0M16TE1	Theology		

MOESEVOL	**Elective subjects**	**Min. cours.** **0**	**Min/Max** 0/999			v

List of courses of this pass:

Code	Name of the course	Completion	Credits
A003TV	Physical Education	Z	2
ADIP25	Diploma Thesis	Z	25
Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which will be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.			
AE0M16FI2	Philosophy II	Z,ZK	4
The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.			
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 and traditions of the subject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and the influence of technical engineers			
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 disciplines are gone through. The subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who want to get know Christianity - religion from which graws our civilization up.			
AE8M31AAS	Advanced Analog Systems	Z,ZK	5
AE8M34ICD	IC Design	Z,ZK	5
AE8M34ICS	IC Structures	Z,ZK	5
AE8M34MST	Microsystems	Z,ZK	5
AE8M34NAN	Nanoelectronics and Nanotechnology	Z,ZK	5
AE8M34OEP	Optoel.and Photonics	Z,ZK	5
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5
AE8M38MS	Modern Sensors	Z,ZK	5
BEEZM	Safety in Electrical Engineering for a master´s degree	Z	0
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 study. Students receive indispensable qualification according to the current Directive of the Dean.			

For updated information see http://bilakniha.cvut.cz/en/f3.html
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