Study plan

Name of study plan: Open Electronic Systems - Solid State Systems

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Open Electronic Systems Type of study: Follow-up master full-time Required credits: 74 Elective courses credits: 46 Sum of credits in the plan: 120 Note on the plan:

Name of the block: Compulsory courses in the program Minimal number of credits of the block: 25 The role of the block: P

Code of the group: MDIPE

Name of the group: Diploma Thesis

Requirement credits in the group: In this group you have to gain at least 25 credits (at most 375) Requirement courses in the group: In this group you have to complete at least 1 course Credits in the group: 25

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE0M14DIP	Diploma Project	Z	25		L	Р
AE0M16DIP	Diploma thesis	Z	25	36s	L,Z	Р
AE0M13DIP	Diploma Thesis	Z	25	36S	L	Р
AE0M17DIP	Diploma Thesis	Z	25	36s	L	Р
AE0M38DIP	Diploma Thesis	Z	25	0P+36C	L	Р
AE0M37DIP	Diploma Thesis	Z	25	36s	L	Р
AE0M35DIP	Diploma Thesis	Z	25	36S	L	Р
AE0M33DIP	Diploma Thesis	Z	25	36S	L	Р
AE0M34DIP	Diploma Thesis	Z	25	36C	L	Р
ADIP25	Diploma Thesis	Z	25	36s	L	Р
AE4M99DIP	Master Thesis	Z	25		L	Р
AE0M15DIP	Master's thesis	Z	25	36s	L	Р

Characteristics of the courses of this group of Study Plan: Code=MDIPE Name=Diploma Thesis

AE0M14DIP	Diploma Project	Z	25
AE0M16DIP	Diploma thesis	Z	25
AE0M13DIP	Diploma Thesis	Z	25
•	prehensive work for the Master's degree study program. A student will choose a topic from a range of topics related to his or h epartment or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensiv		
AE0M17DIP	Diploma Thesis	Z	25
Independent final con	prehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his o	or her branch of s	tudy, which will
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AE0M34DIP	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.					
ADIP25	Diploma Thesis	Z	25		
Independent final comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his (or her branch of s	tudy, which will		
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	sive final examination	ation.		
AE4M99DIP	Master Thesis	Z	25		
AE0M15DIP	Master's thesis	Z	25		

Code of the group: MOESEBME

Name of the group: Safety of the master's studies

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
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

Characteristics of the courses of this group of Study Plan: Code=MOESEBME Name=Safety of the master's studies

 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.
 Image: Construction of the current directive of the Dean.
 Image: Constructive directive direc

Name of the block: Compulsory courses of the specialization Minimal number of credits of the block: 45 The role of the block: PO

Code of the group: MOESEPO3

Name of the group: Compulsory subjects of the branch

Requirement credits in the group: In this group you have to gain 45 credits

Requirement courses in the group: In this group you have to complete at least 9 courses

Credits in the group: 45

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE8M31AAS	Advanced Analog Systems	Z,ZK	5	2P+2S	Z	PO
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5	2P+2S	Z	PO
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5	2P+2L	Z	PO
AE8M34ICD	IC Design	Z,ZK	5	2P+2C	L	PO
AE8M34ICS	IC Structures	Z,ZK	5	2P+2C	Z	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
AE8M34OEP	Optoel.and Photonics	Z,ZK	5	2P+2L	Z	PO

Characteristics of the courses of this group of Study Plan: Code=MOESEPO3 Name=Compulsory subjects of the branch

AE8M31AAS	Advanced Analog Systems	Z,ZK	5
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5
AE8M34ICD	IC Design	Z,ZK	5
AE8M34ICS	IC Structures	Z,ZK	5
AE8M34MST	Microsystems	Z,ZK	5
AE8M38MS	Modern Sensors	Z,ZK	5
AE8M34NAN	Nanoelectronics and Nanotechnology	Z,ZK	5
AE8M34OEP	Optoel.and Photonics	Z,ZK	5

Code of the group: MOESEVOL

Name of the group: Elective subjects

Requirement credits in the group:

Requirement courses in the group:

Credits in the group: 0

Note on the group: ~Student can choose arbitrary subject of the master's program (EEM - Electrical Engineering, Power Enginnering and Management, KME - Communications, Multimedia and Electronics, KYR - Cybernetics and Robotics, OI - Open Informatics, OES - Open Electronics Systems) which is not part of his curriculum. Student can choose with consideration of recommendation of the branch guarantee.You can find a selection of optional courses organized by the departments on the web site http://www.fel.cvut.cz/cz/education/voliteIne-predmety.html\\

Code of the group: MOESEH

Name of the group: Humanities subjects

Requirement credits in the group: In this group you have to gain at least 4 credits (at most 22) Requirement courses in the group: In this group you have to complete at least 1 course Credits in the group: 4

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE0M16HT2	History of science and technology 2	Z,ZK	4	2+2s	L	V
AE0M16FI2	Philosophy II	Z,ZK	4	2+2s	L	V
AE0M16MPS	Psychology	Z,ZK	4	2+2s	Z	V
A003TV	Physical Education	Z	2	0+2	L,Z	V
AE0M16TE1	Theology	Z,ZK	4	2+2s	L	V

Characteristics of the courses of this group of Study Plan: Code=MOESEH Name=Humanities subjects

AE0M16HT2	History of science and technology 2	Z,ZK	4
This subject traces hi	storical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate s	tudents' interest i	n the history and
traditions of the subje	ct, while highlighting the developments in technical education and professional organizations, the process of shaping scientific	life and the influe	ence of technical
engineers			
AE0M16FI2	Philosophy II	Z,ZK	4
The course is oriente	d on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.		
AE0M16MPS	Psychology	Z,ZK	4
A003TV	Physical Education	Z	2
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 lectu	ire the basic theol	ogic 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 one	s who want to get	know Christianit

- religion from which graws our civilization up.

Code of the group: MEJK Name of the group: Language courses Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group:

Code of the group: METV Name of the group: Physical Training Requirement credits in the group: Requirement courses in the group: Credits in the group: 0

Note on the group.

	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their	Completion	Credits	Scope	Semester	Role
oue	members)	completion	oreans	ocope	Gemester	Noie
	Tutors, authors and guarantors (gar.)				ļ	
03TV	Physical Education	Z	1	2s	Z,L	V
A0M03TVI	Physical Education I	Z	1	2s	Z	V
A0M03TVII	Physical Education II	Z	1	2s	L	V
A0M03TVIII	Physical Education III	Z	1	2s	Z	V
A0M03TVIV	Physical Education IV	Z	1	2s	L	V
A0M03TVK	Physical Education Course	Z	1	7dní	Z,L	V
Charactoristics of t	the courses of this group of Study Plan: Code=METV Name=Ph	veical Training				
	Physical Education	ysical fraining			Z	1
	ted in the subject P.E. 03TV (7 times at maximum), the student gets one (1) credit (max	. 7 credits during the	e whole stud	ly at F.E.E.)	after finishing	the option
P.E. subject. The syllabi c	of each sport disciplin can be found on the Internet address: http://www.Feld.cvut.cz/fee	/K303				
A0M03TVI	Physical Education I				Z	1
The main goal of the phy	sical training is to improve and extend locomotive skills which students have been earn	ed within previous s	tages of the	ir education	as well as gair	n basic
knowledge connected wit	th kinantropology, hygienics and physiotherapy. Special attention is paid on the healthy li	festyle forming and	compensati	on of seden	tary occupation	of studer
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as a part of combat with c	ivilization diseases. Within different study programmes, the Department of Physical Educ	ation and Sport offe	rs following (disciplines: a	aerobics, aikido	, Daskelba
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List of courses of this pass:

Code	Name of the course	Completion	Credits
03TV	Physical Education	Z	1
The student can be	e enlisted in the subject P.E. 03TV (7 times at maximum), the student gets one (1) credit (max. 7 credits during the whole study at F.E. subject. The syllabi of each sport disciplin can be found on the Internet address: http://www.Feld.cvut.cz/fee/K303	.E.) after finishing	the optional
A003TV	Physical Education	Z	2
A0M03TVI	Physical Education I	Z	1
knowledge connect as a part of combat beach volleyball, ba	the physical training is to improve and extend locomotive skills which students have been earned within previous stages of their edu- ted with kinantropology, hygienics and physiotherapy. Special attention is paid on the healthy lifestyle forming and compensation of ser- with civilization diseases. Within different study programmes, the Department of Physical Education and Sport offers following discipling adminton, bowling, skating, budo, floorball, football, frisbee, golf, in-line skating, canoeing, karate, fitness, downhill skiing, ice hockey, cl spinning, squash, table tennis, tennis, hiking, volleyball and health physical education. Students may choose one of above described their own interest and available capacity.	dentary occupation es: aerobics, aikido imbing, shooting bo	, of students , basketball, ow, ninjutsu,
A0M03TVII	Physical Education II	Z	1
knowledge connect	the physical training is to improve and extend locomotive skills which students have been earned within previous stages of their edu- ted with kinantropology, hygienics and physiotherapy. Special attention is paid on the healthy lifestyle forming and compensation of sec with civilization diseases. Within different study programmes, the Department of Physical Education and Sport offers following discipline	dentary occupation	of students

as a part of combat with civilization diseases. Within different study programmes, the Department of Physical Education and Sport offers following disciplines: aerobics, aikido, basketball, beach volleyball, badminton, bowling, skating, budo, floorball, frisbee, golf, in-line skating, canoeing, karate, fitness, downhill skiing, ice hockey, climbing, shooting bow, ninjutsu,

swimming, softball, spinning, squash, table tennis, tennis, hiking, volleyball and health physical education. Students may choose one of above described sport disciplines according to

3 , 1 1 1	their own interest and available capacity.		
A0M03TVIII	Physical Education III	Z	1
-	the physical training is to improve and extend locomotive skills which students have been earned within previous stages of their edu	-	
	ed with kinantropology, hygienics and physiotherapy. Special attention is paid on the healthy lifestyle forming and compensation of sec		
-	with civilization diseases. Within different study programmes, the Department of Physical Education and Sport offers following discipline		
	dminton, bowling, skating, budo, floorball, football, frisbee, golf, in-line skating, canoeing, karate, fitness, downhill skiing, ice hockey, cl spinning, squash, table tennis, tennis, hiking, volleyball and health physical education. Students may choose one of above described		
swimming, sondali,	their own interest and available capacity.	i sport disciplines a	according to
A0M03TVIV	Physical Education IV	Z	1
	the physical training is to improve and extend locomotive skills which students have been earned within previous stages of their edu	_	
knowledge connect	ed with kinantropology, hygienics and physiotherapy. Special attention is paid on the healthy lifestyle forming and compensation of sec	dentary occupation	of students
as a part of combat	with civilization diseases. Within different study programmes, the Department of Physical Education and Sport offers following discipline	es: aerobics, aikido	, basketball,
	dminton, bowling, skating, budo, floorball, football, frisbee, golf, in-line skating, canoeing, karate, fitness, downhill skiing, ice hockey, cl		
swimming, softball,	spinning, squash, table tennis, tennis, hiking, volleyball and health physical education. Students may choose one of above described	l sport disciplines a	according to
A0M03TVK	their own interest and available capacity. Physical Education Course	Z	1
ADIP25	Diploma Thesis	7	25
	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h	⊢ ∠ Der branch of study	-
-	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh		
AE0M13DIP	Diploma Thesis	Z	25
	comprehensive work for the Master's degree study program. A student will choose a topic from a range of topics related to his or her	_	
specified by	branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehen-	nsive final examina	ition.
AE0M14DIP	Diploma Project	Z	25
AE0M15DIP	Master's thesis	Z	25
AE0M16DIP	Diploma thesis	Z	25
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
-	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude		-
traditions of the su	oject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers	and the influence	of technical
AE0M16MPS	Psychology	Z,ZK	4
AE0M16MF3	Theology	Z,ZK Z,ZK	4
	les to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture t		
	he subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones wh		
0 0	- religion from which graws our civilization up.	Ū	
AE0M17DIP	Diploma Thesis	Z	25
•	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h		
be specified by br	anch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensiv		n. Diploma
	projects deals with microwave technique, antennas, propagation, optical communications, EMC, and medical applications		05
AE0M33DIP	Diploma Thesis	Z	25
AE0M34DIP	Diploma Thesis comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h	Z Z	25 (which will
	by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh	-	
AE0M35DIP	Diploma Thesis	Z	25
AE0M37DIP	Diploma Thesis	Z	25
	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or h	ner branch of study	
be specified b	y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreh	ensive final examir	nation.
AE0M38DIP	Diploma Thesis	Z	25
AE4M99DIP	Master Thesis	Z	25
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
	des for students of all programs periodic training guidelines for health and occupational safety and gives knowledge of electrical haza		-
	Students receive indispensable qualification according to the current Directive of the Dean.		

For updated information see <u>http://bilakniha.cvut.cz/en/f3.html</u> Generated: day 2024-05-17, time 08:54.