Recomended pass through the study plan

Name of the pass: Branch Communications and Signal Processing - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering
Department:
Pass through the study plan: Open Electronic Systems - Communications and Signal Processing
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
AE8M01ADP	**Algorithms for Distributed and Parallel Systems**	Z,ZK	5	3+1c	1	PO
AE8M32AQT	**Applied Queueing Theory**	Z,ZK	6	3P + 1C	Z	PO
AE8M32NOP	**Network Optimization**	Z,ZK	5	4P + 0C	Z	PO
AE8M37WDC	**Wireless Digital Communications**	Z,ZK	5	4P+0C	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
AE8M31APS	**Audio Processing and source coding**	Z,ZK	5	4P	L	PO
AE8M37CDC	**Coding in Digital Communications**	Z,ZK	5	4P+0C	L	PO
AE8M37CSL	**Communications and Signal Processing Laboratory**	Z	2	0P+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
AE8M32AVL	**Audio-Video Processing Lab**	Z	2	0P + 2L	Z	PO
AE8M37RSY	**Radio Systems**	Z,ZK	5	4P+0L	Z	PO
AE8M32VPS	**Video processing and source coding**	Z,ZK	5	4P + 0C	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.			
AE8M01ADP	Algorithms for Distributed and Parallel Systems	Z,ZK	5
AE8M31APS	Audio Processing and source coding	Z,ZK	5
AE8M32AQT	Applied Queueing Theory	Z,ZK	6
The aim of the course is to present an overlook of dimensioning of service systems in telecommunications networks on the basis of results of the queuing theory (QT). Introduce possibilities of simulation and modelling service systems and its networks both from the point of view of grade of service GoS and quality of service QoS. Results of the QT are applied on different service systems and telecommunication networks deploying and operating at time being. It is shown that models derived for telecommunications systems can be utilized for dimensioning of service systems in real life.			
AE8M32AVL	Audio-Video Processing Lab	Z	2
AE8M32NOP	Network Optimization	Z,ZK	5
AE8M32VPS	Video processing and source coding	Z,ZK	5
AE8M37CDC	Coding in Digital Communications	Z,ZK	5
AE8M37CSL	Communications and Signal Processing Laboratory	Z	2
AE8M37RSY	Radio Systems	Z,ZK	5
AE8M37WDC	Wireless Digital Communications	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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