Recomended pass through the study plan

Name of the pass: Specialization Management of Power Engineering and Electrotechnics - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Pass through the study plan: Electrical Engineering, Power Engineering and Management - Management of Power Eng. and Electr.

Branch of study guranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Electrical Engineering, Power Engineering and Management

Type of study: Follow-up master combined

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 assessment, Z - assessment, ZK - examination, L - summer semester, Z - winter semester

Number of seme	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
BEZM	Safety in Electrical Engineering for a master's degree Vladimír K la, Radek Havlí ek, Ivana Nová, Josef ernohous, Pavel Mlejnek Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	z	Ρ
BD1M15IAP	Engineering Applications Jan Kyncl	Z,ZK	5	14KP+6KC	Z	Р
BD1M13JAS1	Quality and Reliability Pavel Mach, Martin Molhanec Pavel Mach Pavel Mach (Gar.)	Z,ZK	ZK 6 14KP+		Z	Р
BD1M15PPE1	Elements and Operation of Electrical Power Systems Jan Hlavá ek, Stanislav Bou ek	Z,ZK	5	14KP+6KS	Z	Р
BD1M14SSE	Machinery and Structures of Power Plants Petr Ko árník Petr Ko árník Petr Ko árník (Gar.)	Z,ZK	5	14KP+6KC	Z	Р
BD1M16FIU	Financial accounting Ji í Vaší ek	Z,ZK	5	14KP+6KS	Z	Р
2018_MEEMH-K	Humanitní p edm ty BD0M16FIL,BD0M16HVT, (see the list of groups below)	Min. cours. 1 Max. cours. 1	Min/Max 5/5			Ρ

Number of seme	ster: 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
BD1M16EKE1	Economy of Power Industry Ji í Vaší ek, Old ich Starý, Tomáš Králík Tomáš Králík Old ich Starý (Gar.)	Z,ZK	5	14KP+6KC	L	Ρ
BD1M16EVE	Economics of Power Generation	Z,ZK	5	14KP+6KS	L	PZ
BD1M16FIM1	Financial Management Old ich Starý	Z,ZK	5	14KP+6KS	L	PZ
BD1M16MAR	Marketing	Z,ZK	5	14KP+6KS	L	PZ
BD1M16OVY	Operations Research Jaroslav Knápek	Z,ZK	5	14KP+6KS	L	PZ
2018_MEEMPV2-K	Povinn volitelné p edm ty specializace BD1M16CTR1,BD1M16DES, (see the list of groups below)	Min. cours. 3 Max. cours. 9	Min/Max 15/45			PV

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
BD1MPROJ	Individual project Josef ernohous, Ji í Vaší ek, Stanislav Bou ek, Miroslav Vítek, Zden k Müller Old ich Starý Old ich Starý (Gar.)	Z	5	0p+4s	z	Ρ
BD1M16EKL	Ecology and economy Jaroslav Knápek	Z,ZK	5	21KP+3KS	Z	PZ
BD1M16MES	Management and Economics of Power Systems Old ich Starý, Tomáš Králík Tomáš Králík Old ich Starý (Gar.)	Z,ZK	5	14KP+6KS	Z	PZ
BD1M16MNR	Managerial Decision Making Jaroslav Knápek	Z,ZK	5	14KP+6KS	Z	PZ
2018_MEEMPV2-K	Povinn volitelné p edm ty specializace BD1M16CTR1,BD1M16DES, (see the list of groups below)	Min. cours. 3 Max. cours. 9	Min/Max 15/45			PV

Number of semes	ster: 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
BDIP25	Diploma Thesis	Z	25	22s	L	Р
BD1M16EKM	Econometrics and economic applications Šerzod Tašpulatov, Lubomír Lízal Lubomír Lízal (Gar.)	Z,ZK	4	14KP+6KS	L	PZ

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

Kód		Name of the group of group (for specification	courses and on see here of	codes of members of this below the list of courses)	Com	pletion	Credit	s Scope	Semester	Role
2018_ME	ЕМН-К	Н	umanitní p ec	lm ty		cours. 1 cours. 1	Min/M a 5/5	ах		Ρ
BD0M16FIL	Philosophy	2	BD0M16HVT	History of science and technolog		BD0M16	PSM	Psychology		
BD0M16TEO	Theology			·						
2018_MEEMPV2-K					Min.	cours. 3	Min/Ma	ax		
		Povinn vol	itelné p edm	ty specializace	Max.	cours.				PV
						9				
BD1M16CTR1	Controlling	BD1M16DES Power Transport Systems			BD1M16	EUE1	Economy of E	nergy Use		
BD1M15ETT	Electrical F	leat	BD1M16ENI	Environmental Engineering		BD1M16RES Development of Energy Syste		ems		
BD1M16JAK	Quality ma	nagement	BD1M16STA	Statistical methods in economics						

List of courses of this pass:

Code	Name of the course	Completion	Credits				
BD0M16FIL	Philosophy 2	Z,ZK	5				
BD0M16HVT	16HVT History of science and technology 2						
This subject traces	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude	ents' interest in the	history and				
traditions of the sul	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						
BD0M16PSM	A Psychology		5				

			1
BD0M16TEO	Theology	Z,ZK	5
	to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture th subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who - religion from which graws our civilization up.	-	-
3D1M13JAS1	Quality and Reliability	Z.ZK	6
Terminology and defin	itions from the area of quality and reliability and their control, philosophy of quality, systems of quality control in the world. Reliabi ea of reliability, basic distributions used in reliability and their basic characteristics. Back-up using a warm and cold standby, types	lity as a part of q	uality. Basic
	its and systems, calculation of reliability using composition and decomposition. and using a method of a list. Basic statistical method		-
	erial tools for quality control. Techniques FMEA and QFFD, house of quality. Capability of a process. Taguchi loss function. Audits.	-	-
BD1M14SSE	Machinery and Structures of Power Plants	Z,ZK	5
	to acquaint students with forms of energy transformation in power plants, describing the function of power facilities, their structure, p	,	1
BD1M15ETT	Electrical Heat	Z,ZK	5
BD1M15IAP	Engineering Applications	Z,ZK	5
BD1M15PPE1		Z,ZK	5
	Elements and Operation of Electrical Power Systems	,	_
BD1M16CTR1	Controlling	Z,ZK	5
	s to present Management Control as a modern approach to Management of Enterprise, based on the Process and Activity Based the application of Project Management principles. The focus is on the integrative potential of Management Control in the Manager	-	
	pject Management. Special attention is paid to technical-financial integration and its impact. The emphasis is on Project Managem		
	company not merely to survive, but also to achieve high performance. The computerized models are used for presentation key prin		-
union guarantee the e	key links between the controlled entities and used managerial tools.	ioipico, procodu	
BD1M16DES	Power Transport Systems	Z,ZK	5
	on economical aspects of design and operation of various technical systems for various energy forms. That is road, railway and sh	,	-
	fuel, district heating system, cable car and convenyor belt transport for solid fuel and mainly grid for electricity (power) transport		
BD1M16EKE1	Economy of Power Industry	Z,ZK	5
I	ancing of power companies. Cost structure of power generation and distribution. Prices and tariff systems for power, heat and gas		-
	nic evaluation and investment appraisal of the typical project in power sector. Renewable energy sources, externalities. Energy po	•	
	Liberalization and power market development.		
BD1M16EKL	Ecology and economy	Z,ZK	5
	nmental protection. Sustainable development. Global environmental problems and their aspects. Greenhouse effect and climate c	•	1
	onmental impacts. Support schemes for renewable energy sources utilization. Economic effectiveness of renewable energy sources	-	
,	economic instruments for economic activities regulation. Externalities. Environmental indicators.	., .	,
BD1M16EKM	Econometrics and economic applications	Z.ZK	4
	s, econometric models, input-output models, modelling of demand, time series models, production functions, linear regression mo	,	
isony or continents		dels, simultaneo	us equalion
listory of Econometrics	models, econometric analysis of economic situation	idels, simultaned	us equation
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BD1M16STA	Statistical methods in economics	Z,ZK	5
Basic Concepts. St	atistical series. Assortment. Distributions of frequencies. One-dimensional descriptive characteristics. Measures of variables, coeffici	ent of skewness, c	oefficient of
excess. Points estir	nates of basic characteristics. Interval estimates of basic characteristics. Hypothesis testing of basic characteristics. Individual index	s number. Aggrega	ative indexs.
Variable-structur	e indexs. Multifactor indexs . Correlation and regression, Basic Concepts. Measurement of dependence intensity. Time series, conce	pts, qualities. Chro	onological
	average . Time series - trends and extrapolation.		
BD1MPROJ	Individual project	Z	5
Independent work	; in the form of a project. A student will choose a topic from a list of topics specified by branch department. The project will be defend	ed within the fram	ework of a
	subject.		
BDIP25	Diploma Thesis	Z	25
Independent final of	comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or l	her branch of study	, which will
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 exami	nation.
BEZM	Safety in Electrical Engineering for a master's degree	Z	0
The course provi	des for students of all programs periodic training guidelines for health and occupational safety and gives knowledge of electrical haze	, ard of given brancl	h of study.
	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 2025-06-07, time 06:03.