"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IAŞI

FACULTY OF ELECTRICAL ENGINEERING
Domain: Electrical Engineering
Specialization: Power Conversion and Motion Control
Graduate title: Master in Electrical Engineering
Length of studies: 2 years
Form of education: with frequency

EDUCATIONAL PROGRAMME

YEAR I

	Nr. crt.	Course title	Course code UTI.EH.IM	Con-ditio-nings	**1st** Semester Hours No. /week./ course C	S	L	P	SI	V	K	**2nd** Semester Hours No. /week./ course C	S	L	P	SI	V	K
DA*	101	Acquisition and signal processing systems	CECM.101.DA.DI		2		1	1	7	E	8							
	102	Robust control of industrial electrical systems	CECM.102.DA.DI									2		1		6	E	7
	103	Algorithms for robots control	CECM.103.DA.DI									2		1	1	7	E	8
	104	Modeling and control of discrete event systems	CECM.104.DA.DI		2		1		6	E	7							
DS**	105	Advanced electromagnetic and electromechanical systems	CECM.105.DS.DI									2		1	1	7	E	8
	106	Electric drives with PWM converters	CECM.106.DS.DI		2		1	1	7	E	8							
	107	Creativity and value engineering	CECM.107.DS.DI		2		1		6	E	7							
	108	Adaptive control of electric drive systems	CECM .108.DS.DI									2		1		6	E	7
DL	109	Interpersonal and professional communication	EL.109.DC.DL		1	1				C	2							
		Total hours per week, total tests number per semester and total credits per semester, for DA and DS			8		4	2	26	4E	**30**	8		4	2	26	4E	**30**
					14				**26**			**14**				**26**		

*DA – focusing courses; **DS – synthesis courses

Conditionings	Previous compulsory discipline	
	Naming	Code
C1		
C2		
C3		

DEAN,

Prof.univ.dr.ing. Marinel Temneanu

RECTOR,

Prof.univ.dr.ing. Dan Cascaval

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EDUCATIONAL PROGRAMME

YEAR II

	Nr. crt.	Course title	Course code UTI.EH.IM	Con-ditio-nings	**1st** Semester Hours No. /week./ course C	S	L	P	SI	V		**2nd** Semester Hours No. /week./ course C	S	L	P	SI		
DA*	201	Numerical optimization techniques	CECM.201.DA.DI		1		1	1	2	C	3							
	202	202.1 Special electric technologies 202.2 Electric decontamination techniques	CECM .202.1.DA. DO CECM .202.1.DA. DO		2		1		2	E	4							
DS**	203	Real-time vehicle control	CECM.203.DS.DI		2		1		2	E	4							
	204	Performant positioning systems	CECM.204.DS.DI		2		1		2	E	4							
	205	Biomechanical motion control	CECM. 205.DS.DI		2		1		2	E	4							
	206	Scientific research ***	CECM.206.DS.DI					3	12	C	11							
	207	Research practice. Development of the dissertation project ****	CECM.207.DS.DI									14h/week x14weeks				26	C	**30**
		Total hours per week, total tests number per semester and total credits per semester, for DA and DS			9		5	4	22	4E 2 C	**30**			1 C	**30**	9		5
					18				**22**			**14**				**26**		

*DA – focusing courses; **DS – synthesis courses
*** One performs to the dissertation thesis advisor, who will do the evaluation.
**** One performs to the dissertation thesis advisor, who will do the evaluation. The condition for admission to the final dissertation examination is the fulfilling of all the 120 credits during schooling. Successfully defense of the dissertation thesis will bring another 10 credits.

Conditionings	Previous compulsory discipline	
	Naming	Code
C1		
C2		

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