

STUDY PLAN MASTER M2 (IEIA) 2021-2023
ELECTRICAL ENGINEERING AND APPLIED INFORMATICS

1st year – Compulsory subjects

1 st semester - 14 weeks															2 nd semester - 14 weeks						Evaluation (E/C)
Subject	C	S	L	P	Indiv. Prep.	ECTS	C	S	L	P	Indiv. Prep.	ECTS									
	IEIA	Mathematical Modelling	1	-	2	-	1	4								E1					
IEIA+IPSE	Technical Electromagnetics	2	2	-	-	3	5								E1						
IEIA	Numerical Algorithms	2	-	2	-	2	4								E1						
IEIA	Software Design	2	-	1	1	3	4								E1						
IEIA	Software Analysis of Switching Phenomena	1	-	1	-	2	3								C1						
IEIA	Research/Practice 1	-	-	-	-	12	10								C1						
IEIA	Coupled Problems Modelling							2	-	1	-	2	4		E2						
IEIA	Informatic Systems in Electrical Drives							2	-	1	-	2	4		E2						
IEIA	Informatic Systems for Electrical Installation Management							1	-	-	2	3	4		E2						
IEIA	Software for Electric Circuits Analysis							2	-	2	-	2	4		E2						
IEIA	Professional Software for Database Applications							2	-	1	-	3	4		E2						
IEIA	Research/Practice 2							-	-	-	-	12	10		C2						
	Total	8	2	6	1	23		9	0	5	2	24									
	Total	8	9			23	30	9	7			24	30								
		40 hours/week (of which 17 teaching hours)				40 hours/week (of which 16 teaching hours)															

1st year – Freely chosen subjects (facultative)

	Subject	1 st semester - 14 weeks						2 nd semester - 14 weeks						Evaluation (E/C)
		C	S	L	P	Indiv. Prep.	ECTS	C	S	L	P	Indiv. Prep.	ECTS	
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Design and Management of Educational Programs	2	1	-	-	2	5							E1
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Psycho-pedagogy of Adolescents, Young People and Adults							2	1	-	-	2	5	E2
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Counseling and guidance							1	2	-	-	2	5	E2
	Total	2	1	0	0	2	5	3	3	0	0	4	10	
	Total	2	1			2	5	3	3			4	10	

2nd year – Compulsory subjects

	Subject	1 st semester - 14 weeks						2 nd semester - 14 weeks						Evaluation (E/C)	
		C	S	L	P	Preg. Indiv.	p.c.	C	S	L	P	Preg. Indiv.	p.c.		
IEIA	Software for Electromagnetic Field Analysis	2	-	1	1	3	5							E3	
IEIA	Technics in Artificial Intelligence	2	-	2	-	3	5							E3	
IEIA	Computer Network Administration	2	-	2	-	4	5							E3	
IEIA	Disturbances and Electromagnetic Protection	2	-	1	-	3	5							E3	
IEIA	Research/Practice 3	-	-	-	-	12	10							C3	
IEIA	Research/Practice for Dissertation Thesis Elaboration											27	28	C4	
IEIA+EPA+ IPSE+SEA+ SIIM	Ethics and Academic Integrity							1					2	C4	
	Total	8	0	6	1	25		1	0	0	0	27			
	Total	8	7			25		30	1	0			27		30
		40 hours/week (of which 15 teaching hours)					28 hours/week (of which 1 teaching hour)								

2nd year – Freely chosen subjects (facultative)

	Subject	1 st semester - 14 weeks						2 nd semester - 14 weeks						Evaluation (E/C)
		C	S	L	P	Indiv. Prep.	ECTS	C	S	L	P	Indiv. Prep.	ECTS	
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Didactics of the domain and developments in the didactics of the specialization (in High School and Secondary and Tertiary Settings)	2	1	-	-	2	5							E3
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Intercultural Education	1	2	-	-	2	5							E3
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Teaching Practice (in High School and Secondary and Tertiary Settings)							-	-	3	-	2	5	C4
EPA+IEIA+IPSE+ISEIA+SEA+SIIM	Graduation exam, Level II							-	-	-	-	6	5	E4
	Total	3	3	0	0	4	10	0	0	3	0	8	10	
	Total	3	3		4		10	0	3		8		10	

RECTOR,

Mihnea COSTOIU

DEAN,

Assoc. Prof. PhD. Eng. Dragoș NICULAE