

STUDY PLAN MASTER M5 (IPSE) 2021-2023

PRODUCTS AND SERVICES ENGINEERING IN ELECTRICAL ENGINEERING

1st year – Compulsory subjects

	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	
IPSE+SIIM	Statistics and Applied Mathematics	1	2	-	-	3	4							E1
IPSE+IEIA	Technical Electromagnetics	2	2	-	-	3	5							E1
IPSE	New Electric Materials	2	-	2	-	3	5							E1
IPSE	Integrated Design of Electrical Distribution Panels	2	-	-	2	4	6							E1
IPSE	Research/Practice 1	-	-	-	-	12	10							C1
IPSE+SEA	Optimal Design Electrical Machines							2	-	-	2	3	5	E2
IPSE	Economic Efficiency of Electric Systems and Products							2	-	-	2	2	4	E2
IPSE	Electromagnetic Processing of Materials							2	-	1	-	2	4	E2
IPSE	Testing of Electrical Machines and Apparatus							2	-	2	-	3	5	E2
IPSE	Innovation and Intellectual Rights							1	-	-	1	1	2	C2
IPSE	Research/Practice 2							-	-	-	-	12	10	C2
	Total	7	4	2	2	25		9	0	3	5	23		
	Total	7	8			25	30	9	8			23	30	
		40 hours/week (of which 15 teaching hours)				40 hours/week (of which 17 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	Indiv. Prep.	ECTS	C	S	L	P	Indiv. Prep.	ECTS	
IPSE	Acquisition and Data Processing for Industrial Processes	1	-	2	-	2	4							E3
IPSE	Fault Diagnosis and Nondestructive Evaluation of Electrical Products	2	-	1	-	2	4							E3
IPSE	Monitoring and Diagnosis of Electric Equipments	2	-	2	-	4	4							E3
IPSE	Quality Engineering	2	-	1	-	2	4							E3
IPSE	Market Studies for Electrical Products	2	1	-	-	2	4							C3
IPSE	Research/Practice 3	-	-	-	-	12	10							C3
IPSE	Research/Practice for Dissertation Thesis Elaboration											27	28	C4
IPSE+EPA+IEIA+SEA+SIIM	Ethics and Academic Integrity							1					2	C4
	Total	9	1	6	0	24		1	0	0	0	27		
	Total	9	7			24	30	1	0			27	30	
		40 hours/week (of which 16 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,

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