

STUDY PLAN MASTER M4 (SIIM) 2021-2023

INTELLIGENT SYSTEMS OF INSTRUMENTATION AND MEASUREMENTS

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	
SIIM+IPSE	Statistics and Applied Mathematics	1	2	-	-	3	4							E1
SIIM	Estimation and Measurement. Advanced Topics in Instrumentation	2	-	1	-	2	4							E1
SIIM	Electromagnetic Field in Transducers	2	2	-	-	3	4							E1
SIIM	Special Static Converters	2	-	1	-	2	4							E1
SIIM	Computer Aided Instrumentation	2	-	1	-	2	4							E1
SIIM	Research/Practice 1	-	-	-	-	12	10							C1
SIIM	Electromechanical Sensors for Measurement Systems							1	-	2	-	2	4	C2
SIIM	Bioelectric Signals							2	-	1	-	2	4	E2
SIIM	Sensors and Transducers - Numerical Models							1	-	-	2	3	4	E2
SIIM	Experimental Methods for Magnetic Quantities Investigation							2	-	2	-	3	4	E2
SIIM	Ambient Monitoring Systems							1	-	2	-	2	4	C2
SIIM	Research/Practice 2							-	-	-	-	12	10	C2
	Total	9	4	3	0	24		7	0	7	2	24		
	Total	9	7			24	30	7	9			24	30	
		40 hours/week (of which 16 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	Indiv. Prep.	ECTS	C	S	L	P	Indiv. Prep.	ECTS	
SIIM	Analog Signals Processing and Transmission	2	-	1	-	2	4							E3
SIIM	Smart Sensors and Networks	2	-	1	-	3	4							E3
SIIM	Power Quality Equipments and Measurement Methods	2	-	1	1	3	5							E3
SIIM	Remote Control, Remote Measurement and Radio Transmission of Measurement Signals	2	-	2	-	3	4							E3
SIIM	Metrology Legislation	1	1	-	-	1	3							C3
SIIM	Research/Practice 3	-	-	-	-	12	10							C3
SIIM	Research/Practice for Dissertation Thesis Elaboration					27	28					27	28	C4
SIIM+EPA+IEIA+ IPSE+ SEA	Ethics and Academic Integrity							1					2	C4
	Total	9	1	5	1	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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DEAN,

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