

Master's programme in Machine Learning, Systems and Control

Study Year 1, Academic Year 2021/22 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22 sp1					21/22 sp2					21/22 sp3					21/22 sp4				
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
EMAN20	7.5	A	X	E1	Image Analysis		KS KE U W T	32	0	0	2	166															
FRTF25	7.5	G2	-	E	Introduction to Machine Learning, Systems and Control		KS KE U W T	16	0	12	0	72	14	0	6	0	80										
FRTN65	7.5	A	X	E	Modelling and Learning from Data		KS KE U W T	16	10	4	0	70	14	10	8	0	68										
EXTQ40	7.5	A	-	E1	Introduction to Artificial Neural Networks and Deep Learning		KS KE U W T						34	10	30	0	126										

Study Year 1, Academic Year 2021/22 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22 sp1					21/22 sp2					21/22 sp3					21/22 sp4				
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
EDAP01	7.5	A	X	E	Artificial Intelligence		KS KE U W T											28	0	0	0	170					
FMSN50	7.5	A	X	E	Monte Carlo and Empirical Methods for Stochastic Inference	X	KS KE U W T											28	0	12	5	140					
FRTN60	7.5	A	-	E	Real-Time Systems		KS KE U W T											34	22	12	0	132					
EMAN45	7.5	A	-	E1	Machine Learning		KS KE U W T																28	0	0	2	170
FRTN70	7.5	A	X	E	Project in Systems, Control and Learning		KS KE U W T																0	0	0	40	160

[FMSN50](#) Monte Carlo and Empirical Methods for Stochastic Inference: *The course is to be studied together with MASM11.*

Elective Courses - MMSR

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1				sp2				sp3				sp4																	
										F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S										
EDAN70	7.5	A	1	1	X	E1	Project in Computer Science		KS KE U W T	2	4	0	12	182																									
EDAN70															2	4	0	12	182																				
FMAN95	7.5	A	1	1	X	E1	Computer Vision		KS KE U W T														32	0	0	2	166												
FRTN75	7.5	A	1	1	X	E	Learning-Based Control	X	KS KE U W T														28	28	12	0	130												
BMEN20	7.5	A	1	1	X	E1	Project Course in Signal Processing – from Idea to App		KS KE U W T														8	0	12	8	172												
EDAN70	7.5	A	1	1	X	E1	Project in Computer Science		KS KE U W T														2	4	0	12	182												
EDAN15	7.5	A	1	1	X	E	Design of Embedded Systems		KS KE U W T																				24	4	14	0	150						
EDAN40	7.5	A	1	1	X	E	Functional Programming		KS KE U W T																				28	6	0	0	166						
EITN45	7.5	A	1	1	X	E	Information Theory		KS KE U W T																				26	14	0	0	160						
FMSN30	7.5	A	1	1	X	E	Linear and Logistic Regression		KS KE U W T																				24	0	26	2	120						
FRTN30	7.5	A	1	1	X	E	Network Dynamics		KS KE U W T																				28	28	16	0	130						
EDAN70	7.5	A	1	1	X	E1	Project in Computer Science		KS KE U W T																				2	4	0	12	182						

[FRTN75](#) Learning-Based Control: *Replaces [FRTN15](#) Predictive Control.*