

# Master's programme in Machine Learning, Systems and Control

## Study Year 2, Academic Year 2020/21 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links				
							20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4	
<a href="#">FRTN55</a>	7.5	A	X	E	Automatic Control, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			

## Elective Courses - MMSR

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
<a href="#">EMNN25</a>	7.5	A	2 - 20/21	2	X	E1	Advanced Course in Numerical Algorithms with Python/SciPy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">ERTF20</a>	7.5	G2	2 - 20/21	2	X	E	Applied Robotics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EDAF80</a>	7.5	G2	2 - 20/21	2	X	E	Computer Graphics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EITG05</a>	7.5	G2	2 - 20/21	2	X	E	Digital Communications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">INTN01</a>	7.5	A	2 - 20/21	2	X	E	Innovation Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EDAP20</a>	7.5	A	2 - 20/21	2	X	E	Intelligent Autonomous Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EDAN20</a>	7.5	A	2 - 20/21	2	X	E	Language Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			

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										sp1	sp2	sp3	sp4
<a href="#">EMSE15</a>	7.5	G2	2 - 20/21	2	X	E	Markov Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EMNN01</a>	7.5	A	2 - 20/21	2	X	E	Numerical Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">ERTN50</a>	7.5	A	2 - 20/21	2	X	E	Optimization for Learning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EMSE10</a>	7.5	G2	2 - 20/21	2	X	E	Stationary Stochastic Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EMAN80</a>	7.5	A	2 - 20/21	2	X	E1	Functional Analysis and Harmonic Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EMAN15</a>	7.5	A	2 - 20/21	2	X	E	Nonlinear Dynamical Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EDAN95</a>	7.5	A	2 - 20/21	2	X	E	Applied Machine Learning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
<a href="#">EITN70</a>	7.5	A	2 - 20/21	2	X	E	Channel Coding for Reliable Communication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">EDAN01</a>	7.5	A	2 - 20/21	2	X	E1	Constraint Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">EDIN01</a>	7.5	A	2 - 20/21	2	X	E1	Cryptography		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">FMSN45</a>	7.5	A	2 - 20/21	2	X	E	Mathematical Statistics, Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">FMAN30</a>	7.5	A	2 - 20/21	2	X	E1	Medical Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">FRTN05</a>	7.5	A	2 - 20/21	2	X	E	Non-Linear Control and Servo Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			
<a href="#">FRTN40</a>	7.5	A	2 - 20/21	2	X	E	Project in Automatic Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2			

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									sp1	sp2	sp3	sp4
<a href="#">BMEN15</a>	7.5	A	2 - 20/21	2	X	E	Signal Separation - Independent Components	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">EMSN20</a>	7.5	A	2 - 20/21	2	X	E	Spatial Statistics with Image Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		

## Degree Projects - MMSR

The list contains the degree project courses that are included in the MMSR programme.

### Links

Course Code	Credits	Course Name	Links
FRTM05	30	Degree Project in Automatic Control	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EDAM01	30	Degree Project in Computer Sciences	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EITM02	30	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMSM05	30	Degree Project in Mathematical Statistics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
FMAM02	30	Degree Project in Mathematics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>