

Year	Sem	Subject name	Weekly number of hours				ECTS
			Lecture	Tutorial	Lab work	Project	
1	1	Robot Motion Planning and Control	2		1.5		5
1	1	Guidance Vision in Robotics	2		1.5		5
1	1	Mechatronics Engineering	2			1.5	5
1	1	Research activities 1				12	10
1	1	Embedded Systems for Industrial Control – <i>optional</i> (The elective course may be chosen from among the mandatory courses of any other master program)	2		1.5		5
1	1	Machine Learning Methods and Applications – <i>optional</i> (The elective course may be chosen from among the mandatory courses of any other master program)					
1	2	Mobile Robots and Collective Control	1.5		2		5
1	2	Multi-Agent Systems and Programming	1.5			2	5
1	2	Smart Robot Learning	1.5		2		5
1	2	Research activities 2				12	10
1	2	Cloud Manufacturing Models and Services in Robotics – <i>optional</i> (The elective course may be chosen from among the mandatory courses of any other master program)	2		1.5		5
1	2	Intelligent Image Processing (The elective course may be chosen from among the mandatory courses of any other master program)					
2	1	Natural Human-Robot Interaction	2		1.5		5
2	1	Unmanned Aerial Vehicles	2		1.5		5
2	1	Industrial IoT and Big Data Integration	2		1.5		5
2	1	Research activities 3				12	10
2	1	Robots in Industrial Applications – <i>optional</i> (The elective course may be	2			1.5	5

		<i>chosen from among the mandatory courses of any other master program)</i>					
2	1	Intelligent Manufacturing Systems – <u>optional</u> (The elective course may be chosen from among the mandatory courses of any other master program)					
2	2	Ethics and academic integrity	1				2
2	2	Scientific Research, Research Practice and Preparation of Dissertation Thesis				27	28