

Master Degree DATA SCIENCE DM 270/2004
for students enrolled in a.y. 2021/2022
Curriculum DATA SCIENCE - Study Plan Cognitive, Social and Economic Data Analytics

Exam number	Mandatory attendance	Course unit	Type of assessment	Course unit code	Modules	Year	Semester	Credits	Total hours	Lecture hours	Lecture credits	Exercitation hours	Exercitation credits	Laboratory hours	Laboratory credits	Type	Scientific-Disciplinary Sector
Curriculum Data Science																	
Study Plan Cognitive, Social and Economic Data Analytics																	
1	No	Statistical Learning (C.I.)	mark	SCP7079226	Statistical Learning (Mod. A)	I	1 semester	6	48	48	6					Corse courses	Statistics
	No					Statistical Learning (Mod. B)	I	2 semester	6	48	48	6					
2	No	Fundamentals of Information Systems	mark	SCP7078720		I	1 semester	12	96	96	12					corse courses	Computer Science - Data Processing Systems
3	No	Stochastic Methods	mark	SCP7079197		I	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines
4	No	Machine learning		SCP8082660		I	1 semester	6	32	32	4					corse courses	Computer Science
5	No	Financial mathematics for Data Science	mark	SCQ0093689		I	2 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines
6	No	Optimization for Data Science	mark	SCP7079229		I	2 semester	6	32	32	4					corse courses	Operational Research
Optional exams of group 10*																	
10	No	Deep Learning	mark	SCP9087561		I	2 semester	6	48	48	6					corse courses	Computer Science
	No	Human data analytics	mark	SCP7079397		I	1 semester	6	48	48	6					corse courses	Telecommunications
	No	Knowledge and Data Mining	mark	SCP7079318		I	2 semester	6	48	48	6					corse courses	Computer Science - Data Processing
Optional exams of group 11*																	
11	No	Human Computer Interaction	mark	SCP7079297		I	1 semester	6	42	42	6					corse courses	Psychology of Work and Organisations
	No	Cognition and computation	mark	SCP7079403		I	1 semester	6	48	48	6					corse courses	Computer Science
	No	Process mining	mark	SCP7079318		I	1 semester	6	48	48	6					corse courses	Computer Science
Free credits																	
						I	2 semester	6									
7	No	Business Economic and Financial Data	mark	SCP7079231		II	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines
8	No	Law and data	mark	SCP7079399		II	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines
9	No	Cognitive, Behavioral and Social Data	mark	SCP7079219		II	1 semester	6	32	32	4					corse courses	Psychology of Work and Organisations
									16	16	2						
10		One course among exams of group 10				II		6								corse courses	more SSD
11		One course among exams of group 11				II		6								Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines
12		Free Credits				II	1 semester	6									Free credits
		Stage	evaluation	SCP7079232		II		15								D	Other activities
		Final examination		SCP7079319		II		15								C	Language/Final exam

KEY	
	courses offered in the a.y. 2021/2022
	courses offered in the a.y. 2022/2023

Type	
C	Language/Final exam
D	Other activities

* This course can be either taken at the first or at the second year