## Master Degree DATA SCIENCE DM 270/2004 for students enrolled in a.y. 2021/2022 Curriculum DATA SCIENCE - Study Plan Biological Data Analytics

Exam number	Mandatory attendance	Course unit	Type of assessme nt	Course unit code	Modules	Year	Semester		Total hours	Lectur e hours	Lectur e credit s		Exerc ations credit	atory	atory	Туре	Scientific-Disciplinary Sector	
		Curriculum Data Science																
	NI.	Study Plan Biological Data Analytics	T	0.007070000	01-1-1-11		4	40	40	40	^					0	01-41-41	0500 0/04
1	No No	Statistical Learning (C.I.)	mark	SCP7079226	Statistical Learning Statistical Learning	-	1 semester 2 semester	12	48 48	48 48	6			_	-	Core Courses Core Courses	Statistics Statistics	SECS-S/01 SECS-S/01
2	No	Fundamentals of Information	mark	SCP7078720	Statistical Learning	<del>                                     </del>	1 semester	12	48	48	6				-	Core Courses	Computer Science	INF/01
2	INO	Systems	mark	SCF7076720		'	i semester	12	40	40	0					Core Courses	Computer Science	INF/U1
3	No	Stochastic Methods	mark	SCP7079197		ı	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	MAT/06
4	No	Machine learning	mark	SCP8082660		- 1	1 semester	6	48	48	6					Core Courses	Computer Science	INF/01
5	No	Structural bioinformatics	mark	SCP7079278		- 1	2 semester	6	48	32	4	16	2			Core Courses	Computer Science	INF/01
6	No	Optimization for Data Science	mark	SCP7079229		- 1	2 semester	6	32	32	4					Core Courses	Operational Research	MAT/09
									16	16	2						·	
7	No	Introduction to Molecular Biology	mark	SCP8084903		I	2 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	BIO/10/11
							_										_	
		Free Courses				- /	2 semester	6									Free courses	
		Optional exams of group 9*													-			
	No		mark	SCQ0094202		1	1 semester	- 6	56	40	5	16	-		-	Educational activities in	Educational activities in elective or	INF/01. ING-INF/05
	NO	Systems biology	mark	SCQ0094202		'	1 semester	ь	56	40	5	16	1			elective or integrative disciplines	integrative disciplines	INF/01, ING-INF/05
9	No	Mathematical cell biology	mark	SCP7079297		ı	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	ING-INF/05
	No	Omics in human disease	mark			ı	1 semester	6	48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	MED/04-BIO/10
		Optional exams of group 10*																
10	No	Network science	mark	SCP8082723			1 semester	6	48	48	6					Core Courses	Computer Science - Telecommunications	ING-INF/03
		Big Data Computing	mark			- 1	2 semester	6	48	48	6					Core Courses	Data Processing Systems	ING-INF/05
		Deep Learning	mark	SCP9087561		- 1	2 semester	6	48	48	6					Core Courses	Computer Science	INF/01
	No	Biological data	mark	SCP7079337		II	1 semester		48	48	6					Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	BIO/10
8	No	Cognitive, Behavioral and Social Data	mark	SCP7079219		II	1 semester	6	32	32	4					Core Courses	Psychology of Work and Organisations	M-PSI/06
									16	16	2							
9		One course among exams of group 9				II		6								Educational activities in elective or integrative disciplines	Educational activities in elective or integrative disciplines	more SSD
10		One course among exams of group 10				11		6								Core Courses		more SSD
11		Free credits				11	1 semester	6									Free credits	
- ''		rice dicults				"	i semester	U									Free Credits	
		Stage	evaluation	SCP7079232		Ш		15								D	Other activities	
		Final examination	CvaluatiOII	SCP7079232 SCP7079319		11		15								C	Language/Final exam	
		i mai oxalimiadon		201 1013013				10							-	U	Language/i mai exam	

KEY								
	courses offered in the a.y. 2021/2022							
	courses offered in the a.y. 2022/2023							
	Туре							
С	Language/Final exam							
D	Other activities							

<sup>\*</sup> This course can be either taken at the first or at the second year