UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE ECONOMICHE E AZIENDALI

DATA SCIENCE FOR MANAGEMENT (DATA)

Classe LM DATA - Lauree magistrali in Scienze Economico-Aziendali
Second-Cycle Degree

Course leader Prof. Marco Riani

Course outline – Students enrolled in A.Y. 2025-26

First Year

#	Teaching	Modules	SSD	CFU
1	Programming fundamentals and data management	Mod. A – Programming fundamentals	IINF – 05/A	9
		Mod. B – Structural and non -structural data management	IINF – 05/A	6
2	Digital management for data science		ECON – 07/A	9
3	Introduction to data science		STAT – 01/A	6
4	Statistical modelling		STAT – 01/A	9
5	Emerging technologies for accounting and accountability		ECON – 06/A	9
6	Optimization fundamentals		MATH -06/A	6
7	Sensitive data treatment		GIUR – 01/A	9

Second Year

#	Teaching	SSD	CFU
8	Cybersecurity and blockchain	IINF – 05/A	6
9	Artificial intelligence and machine learnig	IINF – 05/A	6
10	Credit risk management	ECON - 09/B	9
11	Computational methods for finance	STAT – 04/A	9
12	Elective course		12
13	Additional teaching activities (internships, seminars, etc.)		6
14	Final thesis		9
	Total CFU		120

	CFU	Year
Elective courses	12	2
Additional teaching activities (internship, seminars, etc.)	6	2
Final thesis	9	2
Total CFU	120	