Corso di laurea magistrale in Data science (classe lm-data)

PLAN OF STUDY 2022-23

n.	SSD	Course	CFU	Lessons arrengements	examination method	attendance
1° anno - 1° periodo						
1	INF-01	Basics of Computing	9	(f)	(E)	yes
2	ING-INF/05	Data base and Big Data Analytics (modulo “Data Base”)	6	(f)	(E)	yes
3	SECS-S/01	Data Analysis and Statistical Learning (modulo “Data Analysis”)	6	(f)	(E)	yes
4	MAT/09	Optimization	6	(f)	(E)	yes
5		Statistical laboratory	3	(l)	(E)	yes
1° anno - 2° periodo						
1	ING-INF/05	Data base and Big Data Analytics (modulo “Big Data Analytics”)	6	(f)	(E)	yes
2	SECS-S/01	Data Analysis and Statistical Learning (modulo “Statistical Learning”)	6	(f)	(E)	yes
3	SECS-P/08	Digital Innovation and Transformation Management	6	(f)	(E)	yes
4	IUS/01	Data and private law	6	(f)	(E)	yes
2° anno - 1° periodo						
1	INF/01	Deep Learning (modulo “Basic”)	6	(f)	(E)	yes
2		Supplementary course 1 **	6	(f)	(E)	yes
CURRICULUM “DATA ANALYSIS AND MODELLING”						
3	INF/01	Computer Security and Data Protection	6	(f)	(E)	yes
4	SECS-S/01	Survey Design and Questionnaire Data Analysis	6	(f)	(E)	yes
CURRICULUM “DATA DRIVEN APPLICATIONS”						
3	ING-INF/05	IoT-based Applications for Intelligent Systems	6	(f)	(E)	yes
4	ING-INF/05	Data Science in the Factory of the Future	6	(f)	(E)	yes
2° anno - 2° periodo						
1	ING-INF/05	Deep Learning (modulo “Advanced”)	6	(f)	(E)	yes
2		Supplementary course 2 **	6	(f)	(E)	yes
3		Traineeship	6			
3		Elective courses	12	(f)	(E)	yes
4		Dissertation	12			

Supplementary courses group 1*

1	SECS-P/07	Accounting Information Systems	6	(f)	(E)	yes
2	SECS-P/02	Behavioral Economics	6	(f)	(E)	yes
3	ING-INF/03	Big Data Sensing, Compression and Communication	6	(f)	(E)	yes
4	INF/01	Cloud Computing and Big Data	6	(f)	(E)	yes
5	SECS-P/11	Credit Risk Management	6	(f)	(E)	yes
6	MED/42	Data Analysis for Public Health	6	(f)	(E)	yes
7	SECS-P/03	Data and Methods for Public Policies Evaluation	6	(f)	(E)	yes
8	SECS-P/01	Economics of Information	6	(f)	(E)	yes
9	SECS-P/06	High Tech Markets, Industrial Organization and Growth	6	(f)	(E)	yes
10	ING-INF/04	Modelling of Complex Systems and Time Series	6	(f)	(E)	yes
11	INF/01	Multimedia Data Modelling	6	(f)	(E)	yes
12	SPS/04	Political Science Research Design and Methods	6	(f)	(E)	yes
13	SECS-S/06	Preference Modeling and Choice Theory	6	(f)	(E)	yes

Supplementary courses group 2*

1	SECS-P/02	Behavioral Economics	6	(f)	(E)	yes
2	SECS-P/11	Credit Risk Management	6	(f)	(E)	yes
3	SECS-P/03	Data and Methods for Public Policies Evaluation	6	(f)	(E)	yes
4	SECS-P/01	Economics of Information	6	(f)	(E)	yes
5	SECS-P/06	High Tech Markets, Industrial Organization and Growth	6	(f)	(E)	yes

(f): face to face lessons; (l) laboratory

(E): Examination types are described in the syllabi

* the course will be activated provided that will be selected by at least 5 students or by 15% of all students enrolled in the master's degree

** The student must choose 1 coourse from the "supplementary courses group 1" and 1 course from "supplementary courses group 2"