

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
A' Semester								
1.	C	Computational Modelling and Algorithms	SDS405	3	1 hour	14	42	5
2.	C	Introduction to High Performance Computing	SDS406	3	1 hour	14	42	10
3.	C	Fundamentals of Data Science	SDS407	3	1 hour	7	21	5
4.	C	Machine Learning	SDS408	3	1 hour	7	21	10
B' Semester								
5.	E	Numerical Linear Algebra for High-Performance Computers	SDS421	3	1 hour	7	21	5
6.	E	Deep Learning	SDS422	3	1 hour	7	21	5
7.	E	Modelling and Simulation for Scientific Applications	SDS423	3	1 hour	7	21	5
8.	E	Network Science	SDS424	3	1 hour	7	21	5
9.	E	Digital Innovation for Sustainable Development	SDS425	3	1 hour	7	21	5
10.	E	Atmospheric Modelling	SDS426	3	1 hour	14	42	10
11.	E	High Performance Computing in Machine Learning	SDS 427	3	1 hour	7	21	5