

II – Semester organization card for teaching

1- Semester 1 :

Teaching Unit	Semi-Annual Hourly Volume 14-16 Weeks	Weekly Hourly Volume				Coeff	Credits	Evaluation method	
		C	TD	TP	other			Continuous	Exam
Fundamental T Unit									
F.T.U 11	112h30					11	20		
Advanced Algorithms and Complexity	67h30	1h30	1h30	1h30	3h	3	5	40%	60%
Combinatorial Optimization	45h		1h30	1h30	1h30	2	4	40%	60%
F.T.U 12	112h30								
Machine Learning	67h30	1h30	1H30	1h30	1h30	3	6	40%	60%
Artificial Intelligence: Principles and Applications	45h		1h30	1h30	3h	3	5	40%	60%
Methodological T Unit									
M.T.U 1	90h00					4	7		
Data Analysis	45h		1h30	1h30	1h30	2	3	40%	60%
Introduction to Data Science	45h	1h30		1h30	1h30	2	4	40%	60%
Discovery T Unit									
D.T.U 1	22h30					1	1		
Cybersecurity	22h30			1h30	1h30	1	1		100%
Transversals T Unit									
T.T.U 1	22h30					1	1		
General English	22h30		1h30		1h30	1	1	40%	60%
Total Semester 1	360H	4H30	9H	10h30		17	30		

Semester 2:

Teaching Unit	Semi-Annual Hourly Volume 14-16 Weeks	Weekly Hourly Volume				Coeff	Credits	Evaluation method	
		C	TD	TP	other			Continuous	Exam
Fundamental T Unit									
F.T.U 21	112h30					11	20		
Deep Learning	67h30	1h30	1h30	1h30	3h	3	6	40%	60%
Metaheuristics and Evolutionary Algorithms	45h	1h30	1h30		1h30	3	5	40%	60%
F.T.U 22	112h30								
Advanced Databases	67h30	1h30	1h30	1h30	1h30	3	5	40%	60%
Data Mining	45h	1h30	1h30		1h30	2	4	40%	60%
Methodological T Unit									
M.T.U 21	90h00					4	7		
Software Engineering	45h	1h30	1h30		1h30	2	4	40%	60%
Business Intelligence and Data Visualization	45h	1h30		1h30	1h30	2	3	40%	60%
Discovery T Unit									
D.T.U 21	22h30					1	2		
Internet of Things	22h30	1h30			1h30	1	2		100%
Transversals T Unit									
T.T.U 21	22h30					1	1		
Scientific Research Methodology	22h30		1h30		1h30	1	1	40%	60%
Total Semester 2	360H	10H30	9H00	4h30		17	30		

Semester 3:

Teaching Unit	Semi-Annual Hourly Volume 14-16 Weeks	Weekly Hourly Volume				Coeff	Credits	Evaluation method	
		C	TD	TP	other			Continuous	Exam
Fundamental T Unit									
F.T.U 21	180h00					9	18		
Deep Learning	67h30	1h30	1h30	1h30	3h	3	6	40%	60%
Metaheuristics and Evolutionary Algorithms	45h	1h30	1h30	1h30	1h30	3	6	40%	60%
Data Mining	67h30	1h30		1h30	1h30	3	6	40%	60%
Methodological T Unit									
M.T.U 21	135h00					6	9		
Software Engineering	45h	1h30		1h30	1h30	2	3	40%	60%
Advanced Databases	45h	1h30		1h30	1h30	2	3	40%	60%
Business Intelligence and Data Visualization	45h	1h30	1h30		1h30	2	3	40%	60%
Discovery T Unit									
D.T.U 21	22h30					1	2		
Internet of Things	22h30	1h30			1h30	1	2		100%
Transversals T Unit									
T.T.U 21	22h30					1	1		
Scientific Research Methodology	22h30	1h30			1h30	1	1	40%	60%
Total Semester 2	360h00	12h00	7h30	6h		17	30		

Semestre 4

Field: Mathematics and Computer Science

Major: Computer science

Specialty: Artificial Intelligence and Big Data

Stage in a company sanctioned by a memory and a defense.

Credit	Coeff	Total Hours (T.H.)	
			Personal Work
			Internship in a Company
			Seminars
			Other (Specify)
30	17	360h00	Total for Semester 4