

**Data Science (1.5 years, 90 ECTS, Master of Science, E-Learning)**
**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
<b>Semester 1</b>								
1.	R	Data Programming	COMP-542DL	4	50'	13	52	10
2.	R	Mathematics for Data Science	COMP-540DL	4	50'	13	52	10
3.	E	Data Privacy and Ethics <i>(or any other suitable elective)</i>	COMP-552DL	4	50'	13	52	10
<b>Semester 2</b>								
4.	R	Machine Learning	COMP-544DL	4	50'	13	52	10
5.	R	Research Seminars and Methodology	COMP-501DL	2	50'	13	26	4
6.	R	Project in Data Science	COMP-592DL	-		13	-	6
7.	E	Managing and Visualizing Data	COMP-543DL	4	50'	13	52	10
<b>Semester 3 (Non-Thesis Option)</b>								
8.	E	Deep and Reinforcement Learning <i>(or any other elective)</i>	COMP-546DL	4	50'	13	52	10
9.	E	Big Data Management and Processing <i>(or any other elective)</i>	COMP-548DL	4	50'	13	52	10
10.	E	Artificial Intelligence <i>(or any other elective)</i>	COMP-549DL	4	50'	13	52	10
<b>Semester 3 (Thesis Option) *</b>								
11.	R	Thesis	COMP-593DL	-	-	13	-	30