



<b>SUBJECT:</b> High-performance computing for big data in companies		
<b>STUDY:</b> Master in Big Data Analytics	<b>ECTS:</b> 3	<b>CUATRIMESTRE:</b> 1
<b>TEACHER:</b> Francisco Javier García Blas		

SCHEDULE								
WEEK	SESSION	CONTENTS DESCRIPTION			Space (class room, lab, etc)	STUDENT WORK		
			1	2		DESCRIPTION	PRESENTIAL	WEEK HOURS (Max 7.5H)
1	1	Introduction				Study materials	1,5	7,5
	2	MapReduce paradigm				Study materials	1,5	
2	3	Scala				Study materials	1,5	7,5
	4	Scala				Study materials	1,5	
3	5	Apache Hadoop			Lab	Study materials	1,5	7,5
	6	HDFS			Lab	Study materials	1,5	
4	7	Apache Spark			Lab	Study materials	1,5	7,5
	8	Apache Spark			Lab	Study materials	1,5	
5	9	Apache Spark SQL			Lab	Study materials	1,5	7,5
	10	Apache Spark Streaming			Lab	Study materials	1,5	
6	11	Lab			Lab	Study materials	1,5	7,5
	12	Lab			Lab	Study materials	1,5	



7	13	High availability systems			Lab	Study materials	1,5	7,5
	14	Use cases			Lab	Study materials	1,5	
8		Study + Evaluation						8
9		Study + Evaluation					2	6,5
<b>TOTAL</b>							23,8	60
<b>EVALUATION PREPARATION and EXAMS</b>							4	10
<b>TOTAL</b>							90	