



<b>SUBJECT:</b> Technological fundamentals in the Big Data world		
<b>POSTGRADO:</b> Master in Big Data Analytics <b>Coordinador:</b> Jesús Carretero	<b>ECTS:</b> 3	<b>CUATRIMESTRE:</b> 1

CRONOGRAMA ASIGNATURA							
WEEK	SE-SSION	CONTENTS DESCRIPTION	Space (class, laboratory, etc..)	I	STUDENT WORK		
					DESCRIPTION	PRESENTIAL	WEEK HOURS (Max 7,5 H)
1	1	Introduction to Big Data			Study of materials	3,0	7,5
	2	Computer architecture and system software			Study of materials		
2	3	Parallel computing paradigms			Study of materials and exercises.	3,0	7,5
	4	Parallel computing paradigms: R and Python			Study of materials and exercises in the lab.		
3	5	Parallel Python Lab	Lab		Study of materials and exercises in the lab.	1,5	7,5
	6	Parallel Python Lab	Lab		Study of materials and exercises.		
4	7	Web services			Study of materials and exercises.	1,5	7,5
	8	Web services lab	Lab		Programming lab	1,5	
5	9	Introduction to virtualization			Study of materials and exercises.	3,0	7,5
	10	Virtualization techniques	Lab		Study of materials and exercises in the lab.		
6	11	Distributed Computing			Study of materials and exercises.	1,5	7,5
	12	Cloud Computing			Study of materials and exercises.	1,5	

7	13	Big data platforms			Study of materials	3,0	7,5
	14	Big Data use case			Study of materials and use case presentation		
<b>SUBTOTAL</b>						<b>73,5</b>	
8		Study + Evaluation					8
9		Study + Evaluation				2	6,5
<b>TOTAL</b>						<b>90</b>	

de sesiones puede ampliarse hasta 6.