

Goi Eskola Politeknikoa Escuela Politécnica Superior

enor								
		[MMD104] DATA	ENGINEERI	NG				
		GENERAL IN	FORMATION					
Studies	MASTER'S DEG	REE IN BIOMEDICAL S	Subject	?				
Semester	1	Course 1	Mention / Field of	???				
	OPTIONAL		specialisation					
	2023	Modality Face-to-face Hours/week 2.6	Language		<u> </u>			
Credits	3	Hours/week 2.6	l otal nours	46.8 class hours + hours	28.2	non	-class nou	rs = <u>75 t</u>
		PROFE	SSORS					
GARITANC	) GARITANO, IÑA	\KI						
		REQUIRED PREVIO	OUS KNOWLED	GE				
	Subje	Knowledge						
(No specific previous subjects required) (No previous known)					dge r	requi	red)	
		LEARNING	RESULTS					
EARNING RESU		ss of data intake, storage and disp	lov	K		SK	AB	2,1
MRA26 - To app	ly the knowledge	acquired and your problem-solving	skills in new, little-kn	own or		x		0,72
nanging environments within broader (or multidisciplinary) contexts related to your area of study MRA28 - To communicate your conclusions and the knowledge and ultimate reasons that support them						x		0,18
		audiences in a clear and unambigu						
							Total:	3
C: Knowledge or Col	ntent / SK: Skills / AB:							
		CONT	ENTS					
Data engineerin	g concepts							
Big Data, definit	ion, evolution and	objective						
Data engineerin	g challenges							
Data sources								
Distributed data	ingestion							
Distributed data	storage							
Result visualizat	tion							

LEARNING RESOURCES AND BIBLIOGRAPHY						
Learning resources	Bibliography					
Subject notes Topic related web quires	Kafka [ Libro ] : the definitive guide: real-time data and stream processing at scale.ISBN: 978-1-4919-3613-9 (online) 978-1-4919-3616-0 (papel) O'Reilly Media, 2017. Neha Narkhede, Gwen Shapira, Todd Palino					
	Designing data intensive applications : the big ideas behind reliable, scalable, and maintainable systems. Kleppmann, Martin. O'Reilly, 2017. ISBN: 978-1-491-90311-7 (online) 978-1-449-37332-0 (papel)					