## Universida<sub>de</sub>Vigo

Subject Guide 2023 / 2024

	NTIFYING DATA						
	ntum computing and machine learning						
Subj							
Code	machine learning v05M198V01108						
Stud							
	ramme Ciencia e tecnoloxías de						
prog	información cuántica						
Desc	criptors ECTS Credits	Choose	Year	Quadmester			
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Lect	urers						
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Gene							
desc	ription						
Trai	ning and Learning Results						
Code							
A9	Know and know how to apply advanced aspects of quantum	computing: quantu	m learning, effic	ient quantum			
	architecture, mode of operation of two quantum accelerators						
	on rules and applications to numerical calculation.						
A10	Know scenarios of practical application of quantum computin						
	interest. Identify domains that exhibit quantum advantage.						
	quantum computing, acquiring a perspective of the agenda t						
B4	To have knowledge of quantum computing, algorithms, circuits, its programming in different languages and accessible platforms.						
B15	To have knowledge of high-level aspects of quantum comput	ting: learning quant	um machines, q	uantum simulators,			
	architectures, etc.						
C1	To analyze and break down a complex concept, examine each part and see how they fit together						
C2							
C3	To compare and contrast and point out similarities and differences between two or more topics or concepts						
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## **Expected results from this subject** Expected results from this subject

Training and Learning Results

Α9	
A10	
B4	
B15	
C1	
C18	
C2	
C18	
C3	
C18	
D18	
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## Contents

Topic

Planning				
		Class hours	Hours outside the classroom	Total hours
*The information in t	he planning table is for g	uidance only and does not	take into account the hete	rogeneity of the students.
Methodologies				
	Description			
Personalized assis	tance			
Assessment				
Description	Qualification		Training and Learning	Results
Other comments o	n the Evaluation			
Sources of informa				
Basic Bibliography				
Complementary Bi	bliography			
Recommendations				