



## IDENTIFYING DATA

### Metrology and quantum sensors

Subject	Metrology and quantum sensors		
Code	V05M198V01207		
Study programme	(*)Máster Universitario en Ciencia e tecnoloxías de información cuántica		
Descriptors ECTS Credits	Choose	Year	Quadmester
3	Optional	1st	2nd
Teaching language	Galician		
Department			
Coordinator	Paredes Galán, Ángel		
Lecturers	Paredes Galán, Ángel		
E-mail	angel.paredes@uvigo.es		
Web	<a href="http://www.usc.gal/gl/estudios/masteres/ciencias/master-universitario-ciencia-tecnoloxias-informacion-cuantica/20232024/metroloxia-sensores-cuanticos-19345-18438-3-103747">http://www.usc.gal/gl/estudios/masteres/ciencias/master-universitario-ciencia-tecnoloxias-informacion-cuantica/20232024/metroloxia-sensores-cuanticos-19345-18438-3-103747</a>		
General description			

## Training and Learning Results

Code	
A3	Understanding and knowledge of the fundamentals of Quantum Information Theory, as well as two basic aspects of two four types of quantum technologies: computing, communications, metrology, simulation.
B5	To have knowledge of quantum information theory, universal limitations, and their implications for computing, communications, and metrology.
B7	To have knowledge of quantum optics and the role and properties of light and its manipulation in quantum information processing and communications.
C1	To analyze and break down a complex concept, examine each part and see how they fit together
C2	To classify and identify types or groups, showing how each category is different from the others
C3	To compare and contrast and point out similarities and differences between two or more topics or concepts

## Expected results from this subject

Expected results from this subject	Training and Learning Results
New	A3 B5 B7 C1 C2 C3

## Contents

Topic
-------

## Planning

	Class hours	Hours outside the classroom	Total hours
--	-------------	-----------------------------	-------------

\*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

## Methodologies

Description
-------------

## Personalized assistance

---

**Assessment**

---

Description

Qualification

Training and Learning Results

---

---

**Other comments on the Evaluation**

---

---

**Sources of information**

---

**Basic Bibliography**

---

**Complementary Bibliography**

---

---

**Recommendations**

---