

## SUBJECT TEACHING GUIDE

### G1490 - Applications of Signal Processing

#### Degree in Telecommunication Technologies Engineering

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering			Type and Year	Optional. Year 4
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Speciality Optional Subjects				
Course unit title and code	G1490 - Applications of Signal Processing				
Number of ECTS credits allocated	6	Term	Semester based (2)		
Web	<a href="https://gtas.unican.es/docencia/aps">https://gtas.unican.es/docencia/aps</a>				
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. INGENIERIA DE COMUNICACIONES				
Name of lecturer	JAVIER VIA RODRIGUEZ				
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Other lecturers					

3.1 LEARNING OUTCOMES
<ul style="list-style-type: none"> <li>-- Supervised learning: regression and classification</li> <li>- Unsupervised learning: clustering</li> <li>- Data analysis</li> <li>- Data processing</li> </ul>

4. OBJECTIVES
<ul style="list-style-type: none"> <li>- Supervised learning: regression and classification</li> <li>- Unsupervised learning: clustering</li> <li>- Data analysis</li> <li>- Data processing</li> </ul>

**6. SUBJECT PROGRAM**

**CONTENTS**

1	This is a practical course. The work will be based on a practical signal processing / data science / machine learning problem, which will be used to introduce some of the main topics in signal processing and machine learning: regression, classification, clustering, etc.
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**7. ASSESSMENT METHODS AND CRITERIA**

Description	Type	Final Eval.	Reassessn	%
Asignments.	Work	No	Yes	100,00
<b>TOTAL</b>				<b>100,00</b>
Observations				
Observations for part-time students				
Part-Time Student Evaluation is based on the Homework Assignments				

**8. BIBLIOGRAPHY AND TEACHING MATERIALS**

BASIC