

SUBJECT TEACHING GUIDE

G1490 - Applications of Signal Processing

Degree in Telecommunication Technologies Engineering

Academic year 2023-2024

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	https://gtas.unican.es/docencia/aps				
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

- Supervised learning: regression and classification
- Unsupervised learning: clustering
- Data analysis
- Data processing

4. OBJECTIVES

- Supervised learning: regression and classification
- Unsupervised learning: clustering
- Data analysis
- Data processing

6. COURSE ORGANIZATION

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	%
Assignments.	Work	No	Yes	100,00
TOTAL				100,00
Observations				
The assignments will be presented in class				
Observations for part-time students				
Part-Time Student Evaluation is based on the Homework Assignments				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC