

## SUBJECT TEACHING GUIDE

### G1474 - Database Systems

#### Degree in Telecommunication Technologies Engineering

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering			Type and Year	Optional. Year 3
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Optional Subjects				
Course unit title and code	G1474 - Database Systems				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. MATEMATICA APLICADA Y CIENCIAS DE LA COMPUTACION				
Name of lecturer	PILAR BERNARDOS LLORENTE				
E-mail	pilar.bernardos@unican.es				
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 5. DESPACHO (S5018)				
Other lecturers	JOSE DEMETRIO GOMEZ VAQUERO				

3.1 LEARNING OUTCOMES
- Design relational databases appropriate to information management problems.
- Design and develop static web pages, through the use of HTML and CSS.
- Design and develop user applications of databases, through dynamic web pages, using the PHP programming language.

#### 4. OBJECTIVES

Adequately propose the specification of the information systems for the correct design of the database that is needed.

Design efficient user applications for accessing and managing database data.

Handling of HTML, CSS, PHP and SQL

#### 6. COURSE ORGANIZATION

##### CONTENTS

1	Database design.
2	Web design
3	Design and development of user application.

#### 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
continuous assessment.	Work	No	Yes	40,00
Continuous assessment.	Work	No	Yes	40,00
Final assessment.	Oral Exam	Yes	Yes	20,00
<b>TOTAL</b>				<b>100,00</b>
<b>Observations</b>				
Remote evaluation of the work, practical laboratory exercises and written tests are foreseen in the event that a new health alert due to COVID-19 makes it impossible to carry out the evaluation in person.				
<b>Observations for part-time students</b>				
The evaluation of part-time students will be carried out in accordance with the provisions for these cases in the current Evaluation Regulations of the University of Cantabria.				

#### 8. BIBLIOGRAPHY AND TEACHING MATERIALS

<b>BASIC</b>
Fundamentos de bases de datos. Abraham Silberschatz, Henry F. Korth, S. Sudarshan. 6ª ed. Editorial: Madrid: McGraw-Hill, 2014. IND B C61D 22.
Material de la asignatura en Moodle.