

## SUBJECT TEACHING GUIDE

### G285 - Fundamentals of Computation

#### Degree in Telecommunication Technologies Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering			Type and Year	Core. Year 1
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Computer Science Basic Training Module				
Course unit title and code	G285 - Fundamentals of Computation				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web	<a href="http://personales.unican.es/crespoj/computacion/entrada.html">http://personales.unican.es/crespoj/computacion/entrada.html</a>				
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	JOSE LUIS CRESPO FIDALGO				
E-mail	luis.crespo@unican.es				
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 4. DESPACHO JOSE LUIS CRESPO FIDALGO (S4042)				
Other lecturers	ROBERTO ORTIZ GARCIA LUIS DAVILA BERDUD				

3.1 LEARNING OUTCOMES
- Program development given specifications
- Computer functioning basic analysis
- Implementation of individual SQL statements

#### 4. OBJECTIVES

Structured programming
Algorithm synthesis
Error prevention and debugging strategies
Problem solving based on basic concepts about computer function
Basic SQL syntax for handling databases

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Computer system functioning introduction SQL
2	C language programming: input, output, sequential files, flow control, numeric and char arrays up to 2D, structures

#### 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Programs related to subject topics along the course.	Others	No	Yes	100,00
TOTAL				100,00
Observations				
Should any prevailing requirements forbid face-to-face evaluation, number, weights, conditions and exercise types would vary.				
Observations for part-time students				
Part-time and other students may opt for the makeup exam.				

#### 8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
Apuntes de la asignatura