SUBJECT TEACHING GUIDE

G285 - Fundamentals of Computation

Degree in Telecommunication Technologies Engineering
First Degree in Telecommunication Technologies Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering First Degree in Telecommunication Technologies Engineering			Type and Year	Core. Year 1 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	http://personales.unican.es/crespoj/computacion/entrada.html				
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
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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