SUBJECT TEACHING GUIDE

G285 - Fundamentals of Computation

Degree in Telecommunication Technologies Engineering

Academic year 2019-2020

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	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
E-mail	luis.crespo@unican.es
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 5. DESPACHO (S5022)
Other lecturers	ROBERTO ORTIZ GARCIA MIGUEL CUARTAS HERNANDEZ

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.	Laboratory evaluation	No	Yes	60,00
Full course exercises	Laboratory evaluation	Yes	Yes	40,00
TOTAL				100,00
Observations				
Observations for part-time students				
Part-time and other students may opt to have only the final exam with 100% value				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Apuntes de la asignatura