

SUBJECT TEACHING GUIDE

886 - Development and Implementation of ICT Solutions

Master's Degree in Business and Information Technologies

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Master's Degree in Business and Information Technologies			Type and Year	Compulsory. Year 1
Faculty	Faculty of Economics and Business Studies				
Discipline	Obligatory Subjects				
Course unit title and code	886 - Development and Implementation of ICT Solutions				
Number of ECTS credits allocated	3	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. MATEMATICA APLICADA Y CIENCIAS DE LA COMPUTACION				
Name of lecturer	ANGEL COBO ORTEGA				
E-mail	angel.cobo@unican.es				
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 4. DESPACHO (S4045)				
Other lecturers					

3.1 LEARNING OUTCOMES

- Program simple Web applications with database connectivity
- Use open source solutions for corporate Web applications
- Recognize the most outstanding characteristics of different programming technologies on the Internet.

4. OBJECTIVES

The course aims to introduce the basic principles of Web application development, analyzing the different technological solutions that can be used and their main features.

6. SUBJECT PROGRAM	
CONTENTS	
1	Overview of computer programming and data management: Python programming language
2	Web design: HTML and CSS
3	Client-side and server-side programming in Web applications
4	Applications with connectivity and data access

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Practical programming exercises	Laboratory evaluation	No	Yes	65,00
Final exam of basic concepts	Written exam	No	Yes	35,00
TOTAL				100,00
Observations				
None				
Observations for part-time students				
Part-time students can ask for specific assessment methods				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
A. Cobo, P. Gómez, D. Pérez y R. Rocha "005). PHP y MySQL : tecnologías para el desarrollo de aplicaciones web. Editorial Díaz de Santos
Luke Welling, Laura Thomson (2005). Desarrollo web con PHP y MySQL. Anaya Multimedia
Judy M. Bishop (1999). Java : fundamentos de programación. Addison Wesley, D.L. 1999.
J. Bradenbaugh (2000). Aplicaciones JavaScript. Anaya Multimedia